موضوع الدرس: ..... التاريخ: / / ٢٠م

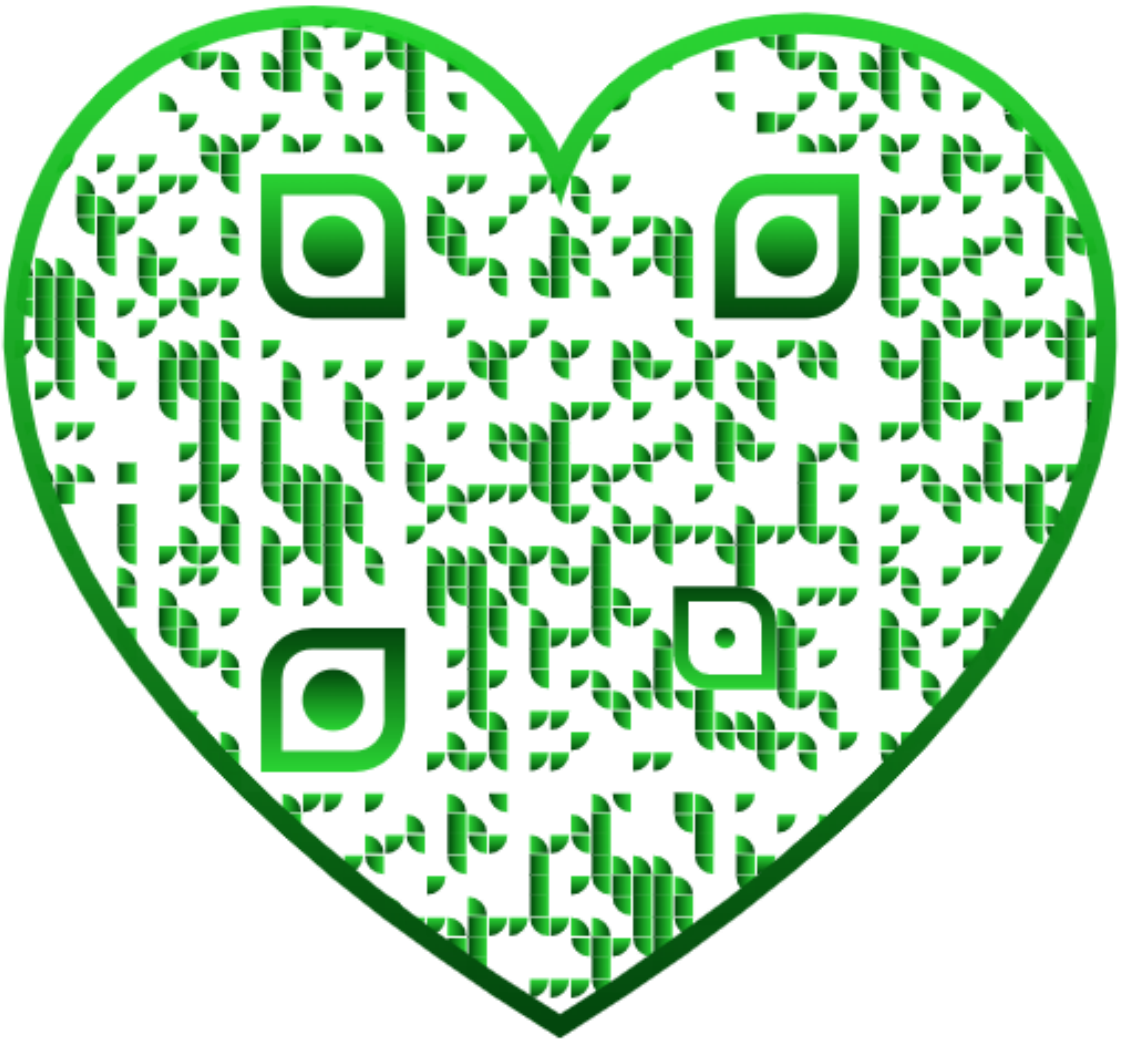
..... اليوم: ..... المواقف: / / ١٤هـ

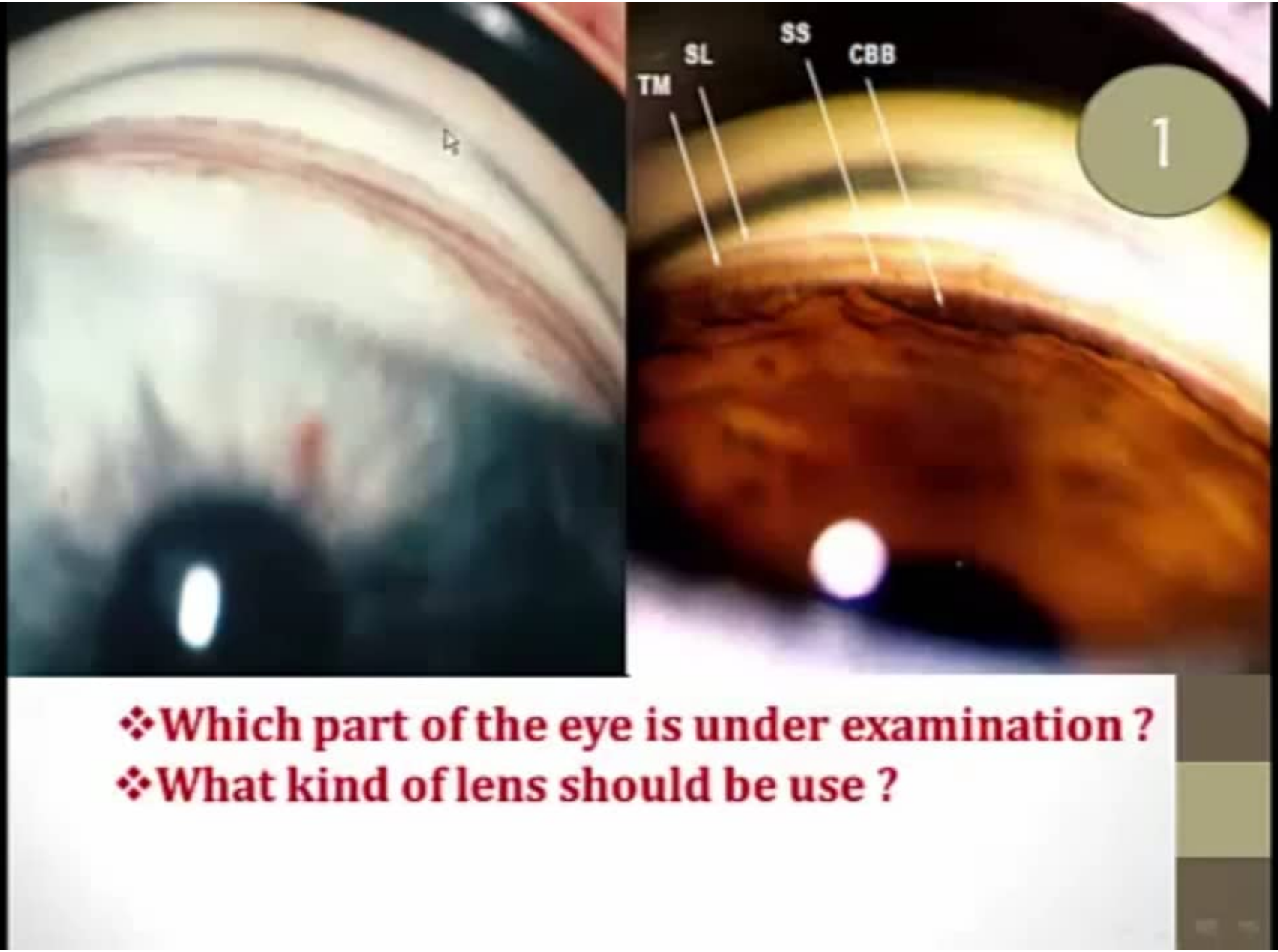
جامعة الجيل الجديد للعلوم الطبية والتطبيقية
الكلية / الطب البشري
الدفعة / الأولى
المجموعة / B3
القسم / العيون (عملي)

تدوينة محاضرة / Glaucoma (عملي)
للدكتور / محمد سلفيط
تدوينة وإعداد / محمد صالح العقلي

الواجب: .....

الممسوحة ضوئيا بـ CamScanner





- Which part of the eye is under examination ?
- What kind of lens should be use ?

الممسوحة ضوئيا بـ CamScanner

2

- What are the normal angle structures that can seen by Goniolens ?

الممسوحة ضوئيا بـ CamScanner

4

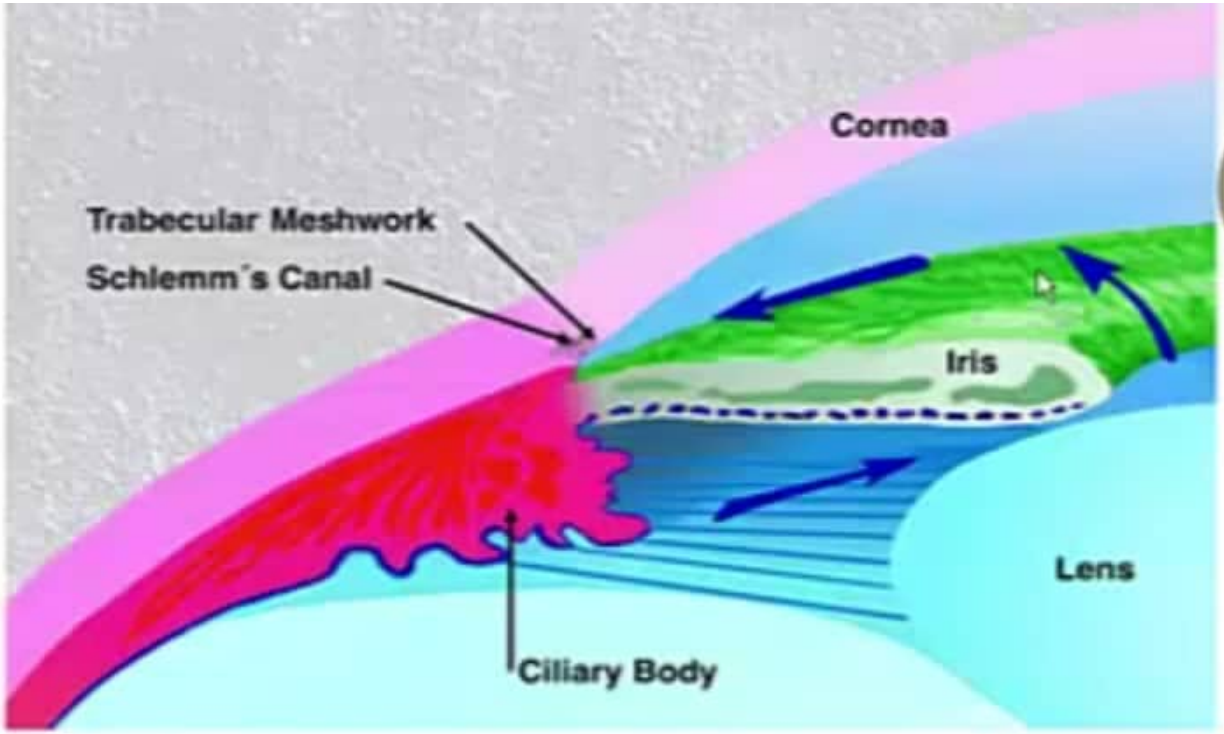
- What is Dimox ?
- Long term intake of Dimox may lead to complications.....((Tell me four)).

الممسوحة ضوئيا بـ CamScanner

- **What is pilocarpine & its side effects ?**

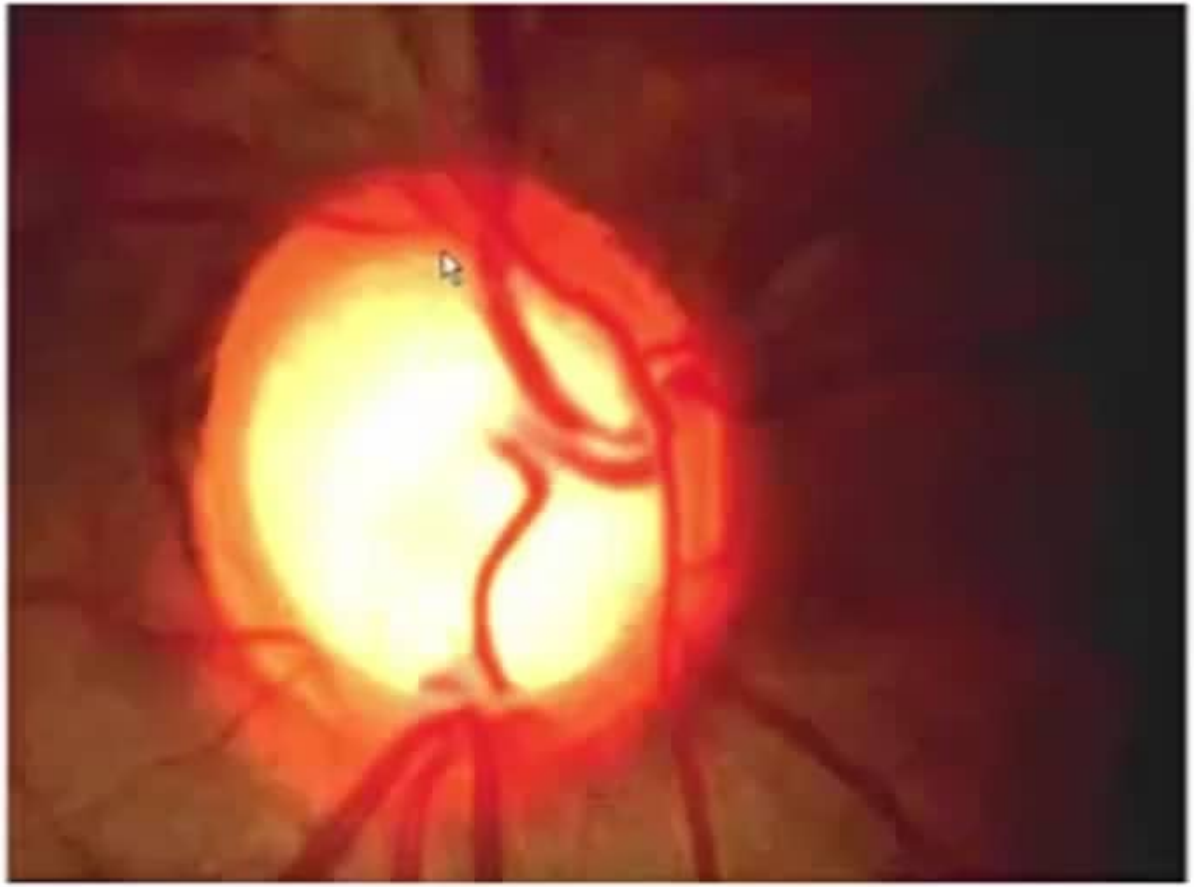
الممسوحة ضوئيا بـ CamScanner

الممسوحة ضوئيا بـ CamScanner



- How the pilocarpine lower the (IOP) in case of POAG?
- How the pilocarpine lower the (IOP) in case of PCAG?

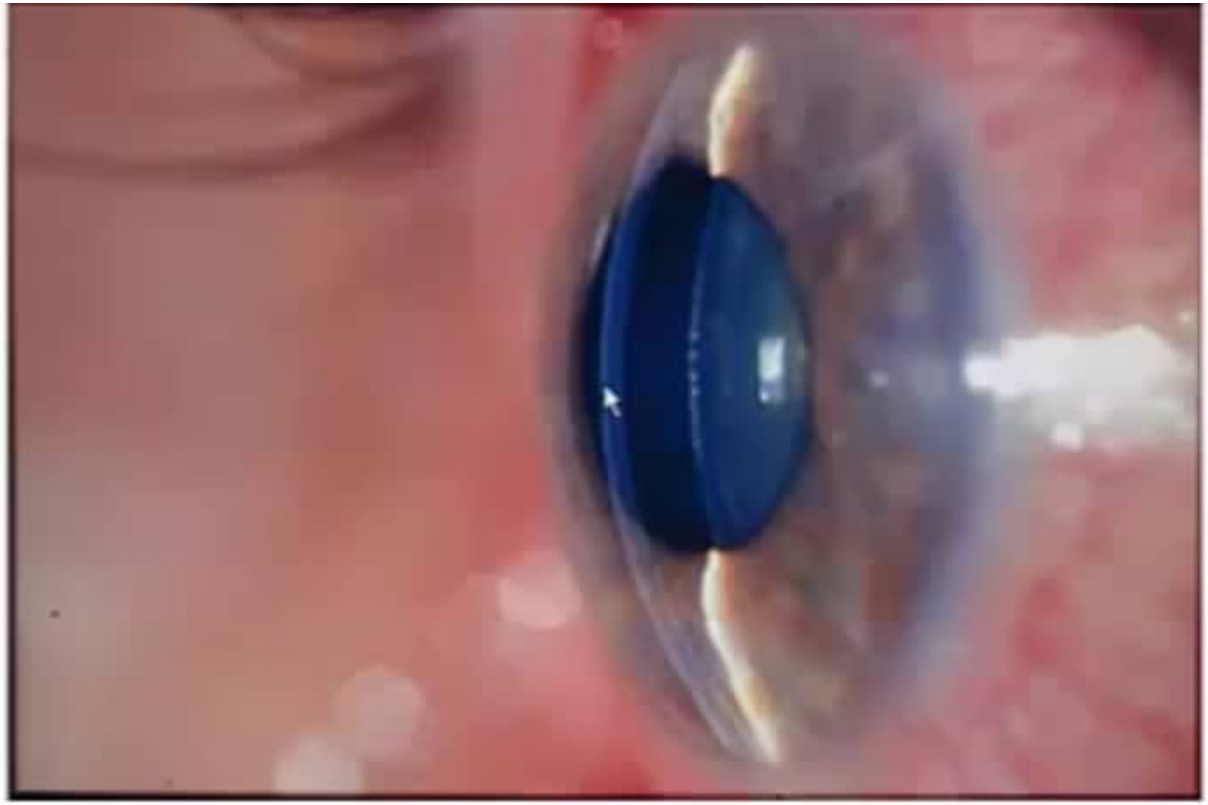
الممسوحة ضوئيا بـ CamScanner



7

❖What are the symptoms of POAG?

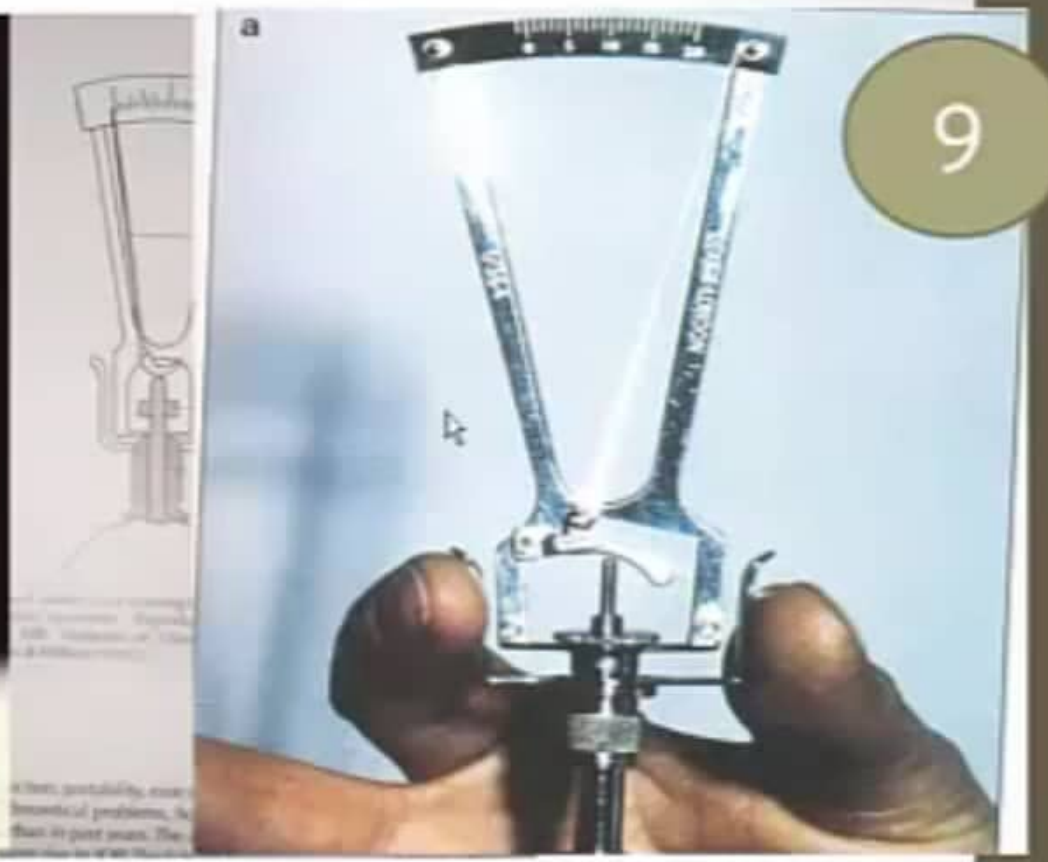
الممسوحة ضوئيا بـ CamScanner



8

- What is the drug of choice for angle closure glaucoma ?

الممسوحة ضوئيا بـ CamScanner



- These devises used to check The.....
- What is the difference ?

الممسوحة ضوئيا بـ CamScanner

- What is the name of this instrument?
- Mention two other ways to measure the IOP?

الممسوحة ضوئيا بـ CamScanner

الممسوحة ضوئيا بـ CamScanner

- What other tests you should do for checking the IOP ?

الممسوحة ضوئيا بـ CamScanner

- Tonometry means measuring .....
- What is low tension glaucoma ?

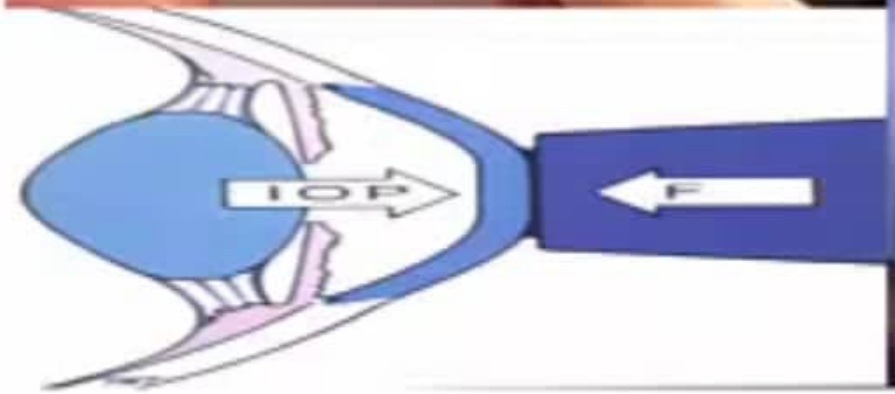
الممسوحة ضوئيا بـ CamScanner

❖What is the name of the instrument and mention it's use?

الممسوحة ضوئيا بـ CamScanner

- What do you mean by glaucoma ?
- How you classify it ?
- The normal range of IOP is.....

الممسوحة ضوئيا بـ CamScanner

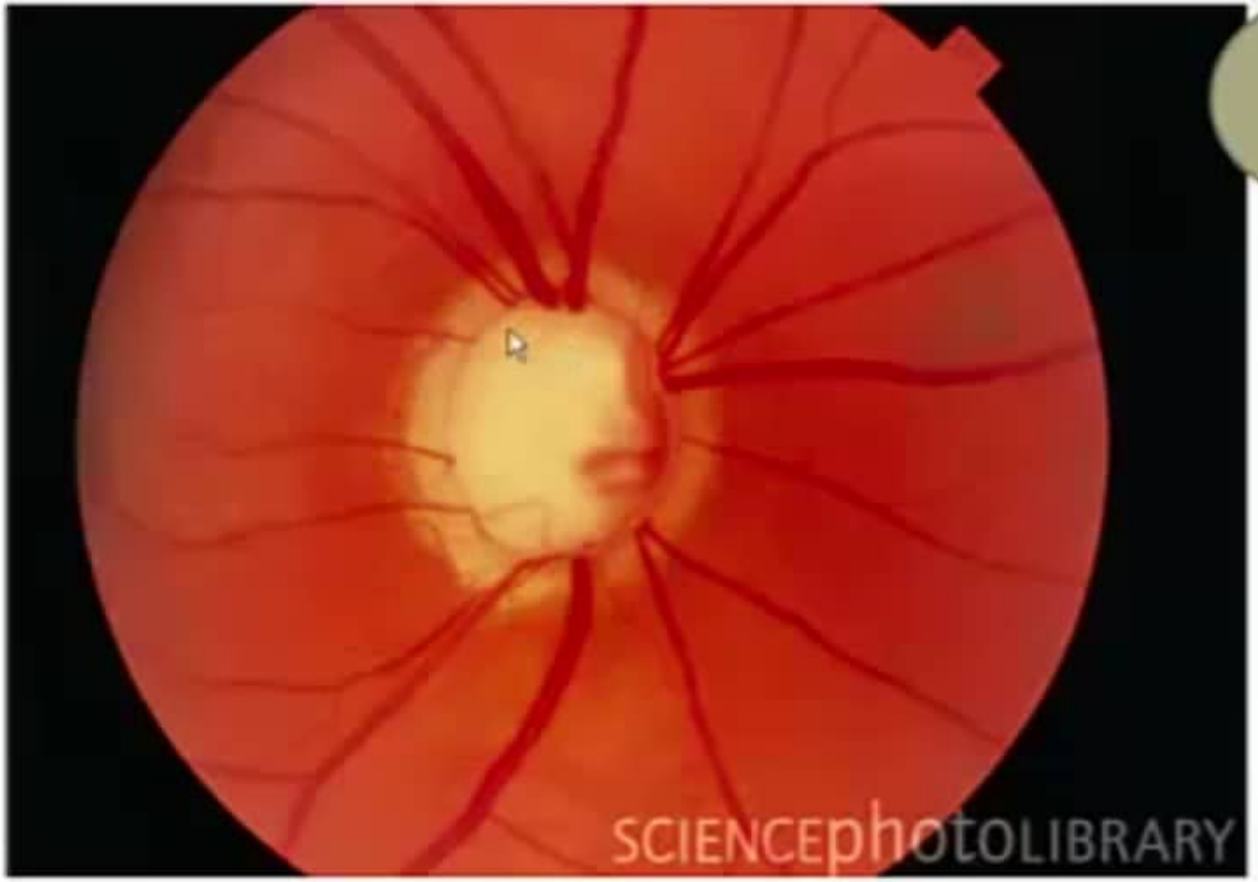


❖What is the normal value of diurnal variation In the IOP ?

الممسوحة ضوئيا بـ CamScanner

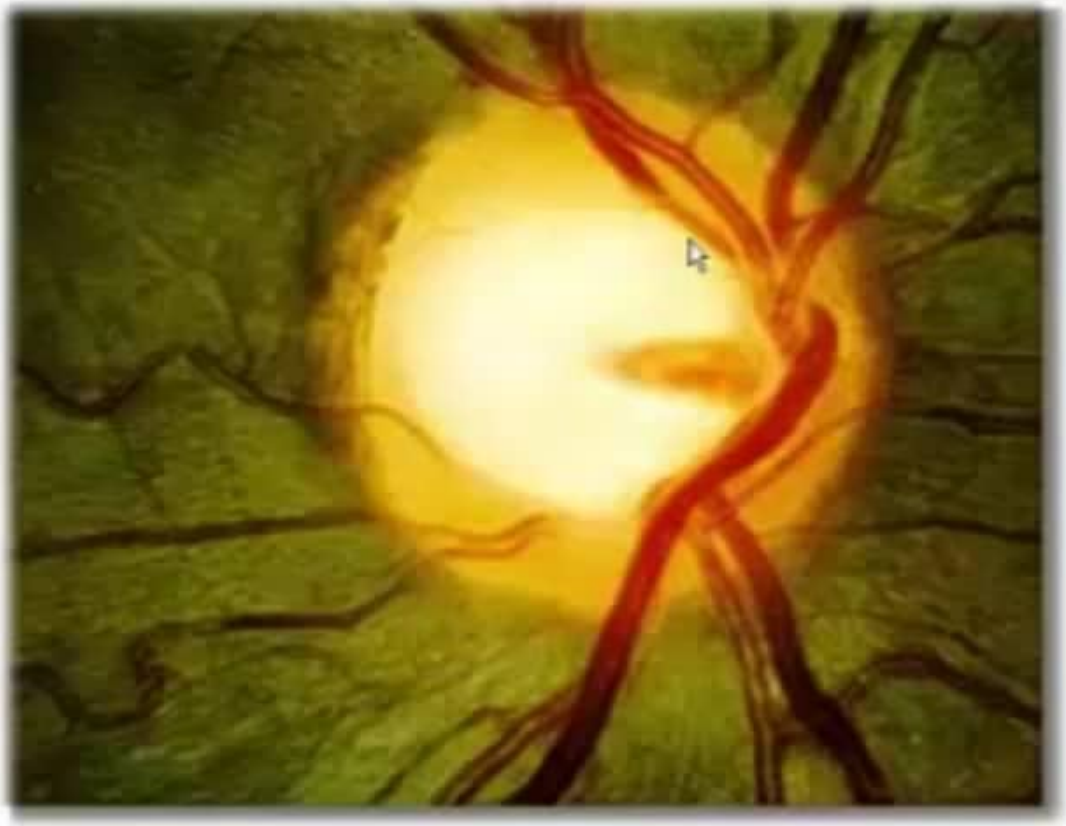
الممسوحة ضوئيا بـ CamScanner

16



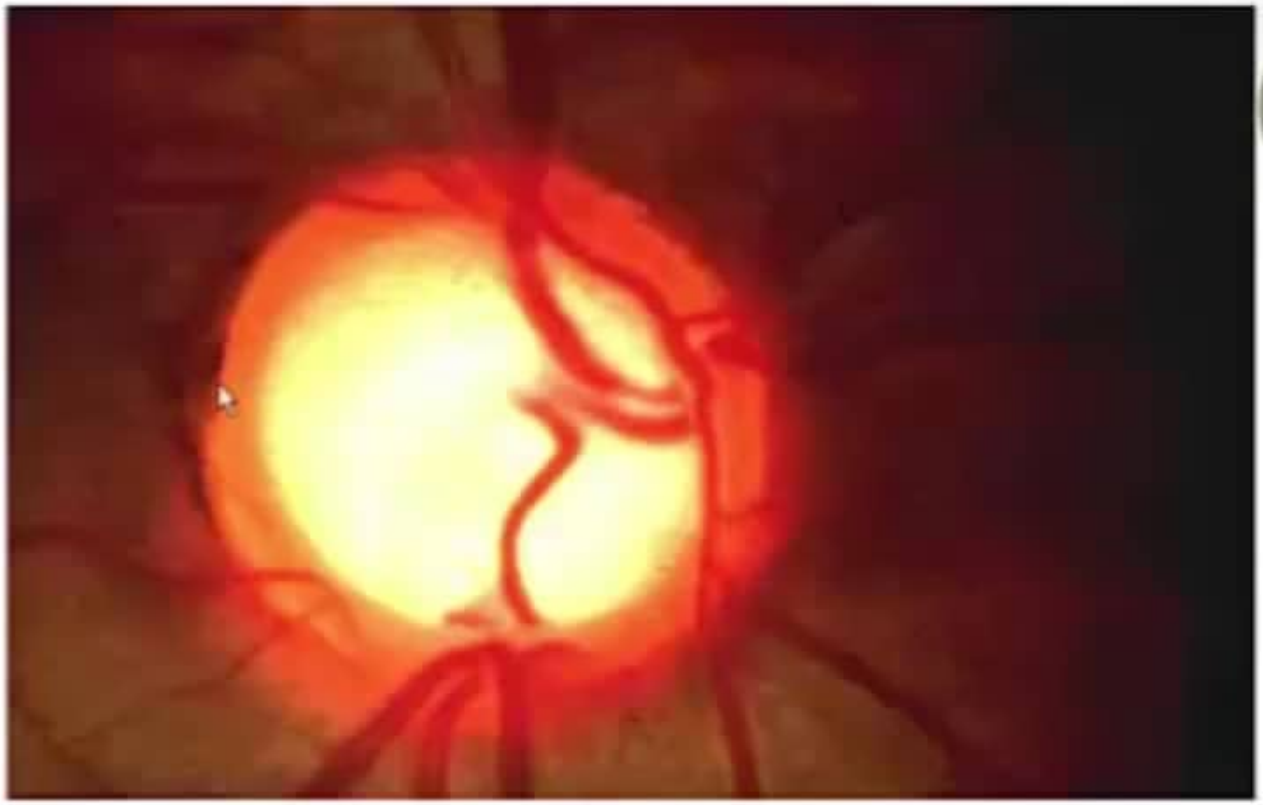
- What is your diagnosis?
- How you confirm your diagnosis?

الممسوحة ضوئيا بـ CamScanner



- What is your finding?
- How to diagnose glaucoma?

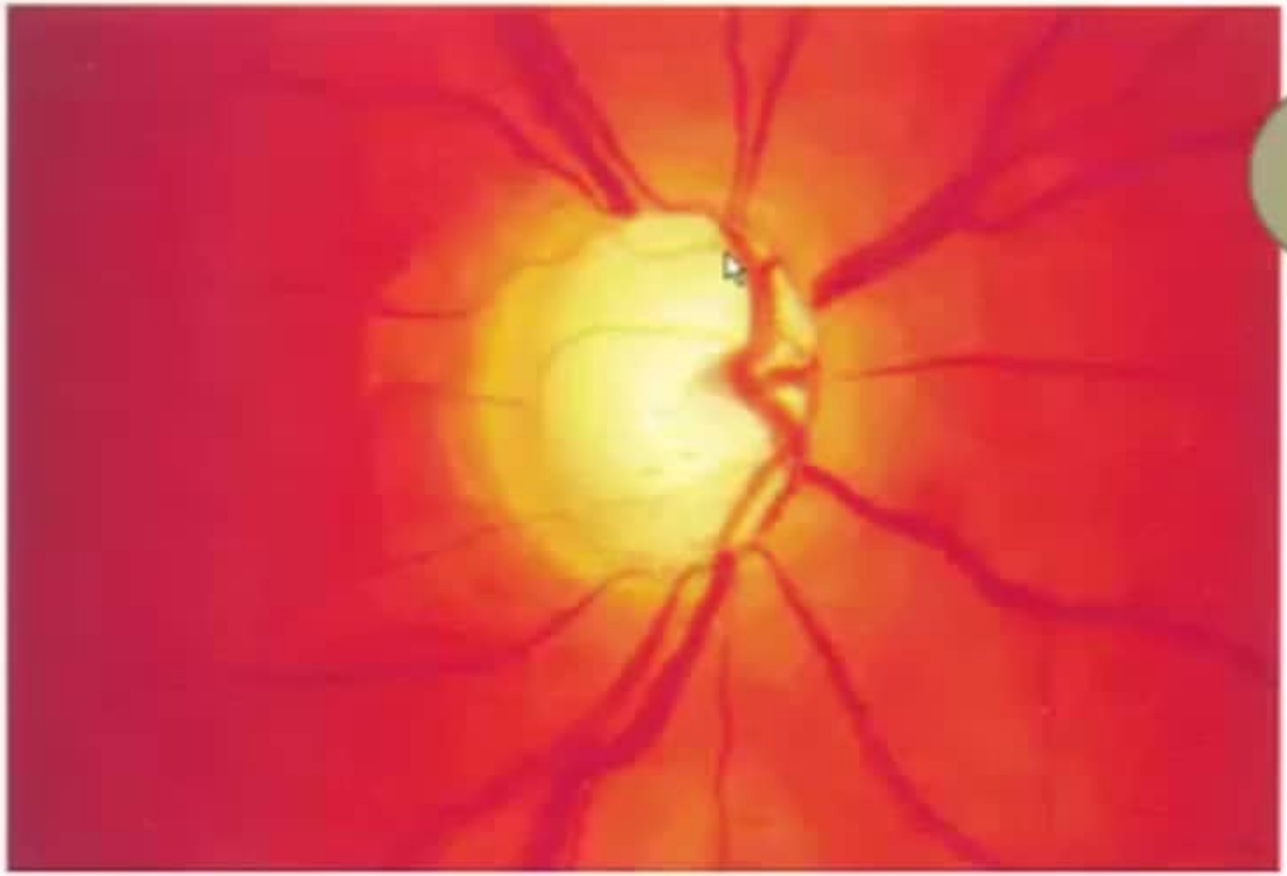
الممسوحة ضوئيا بـ CamScanner



18

- What is the finding?
- What do we mean by C/D ratio?

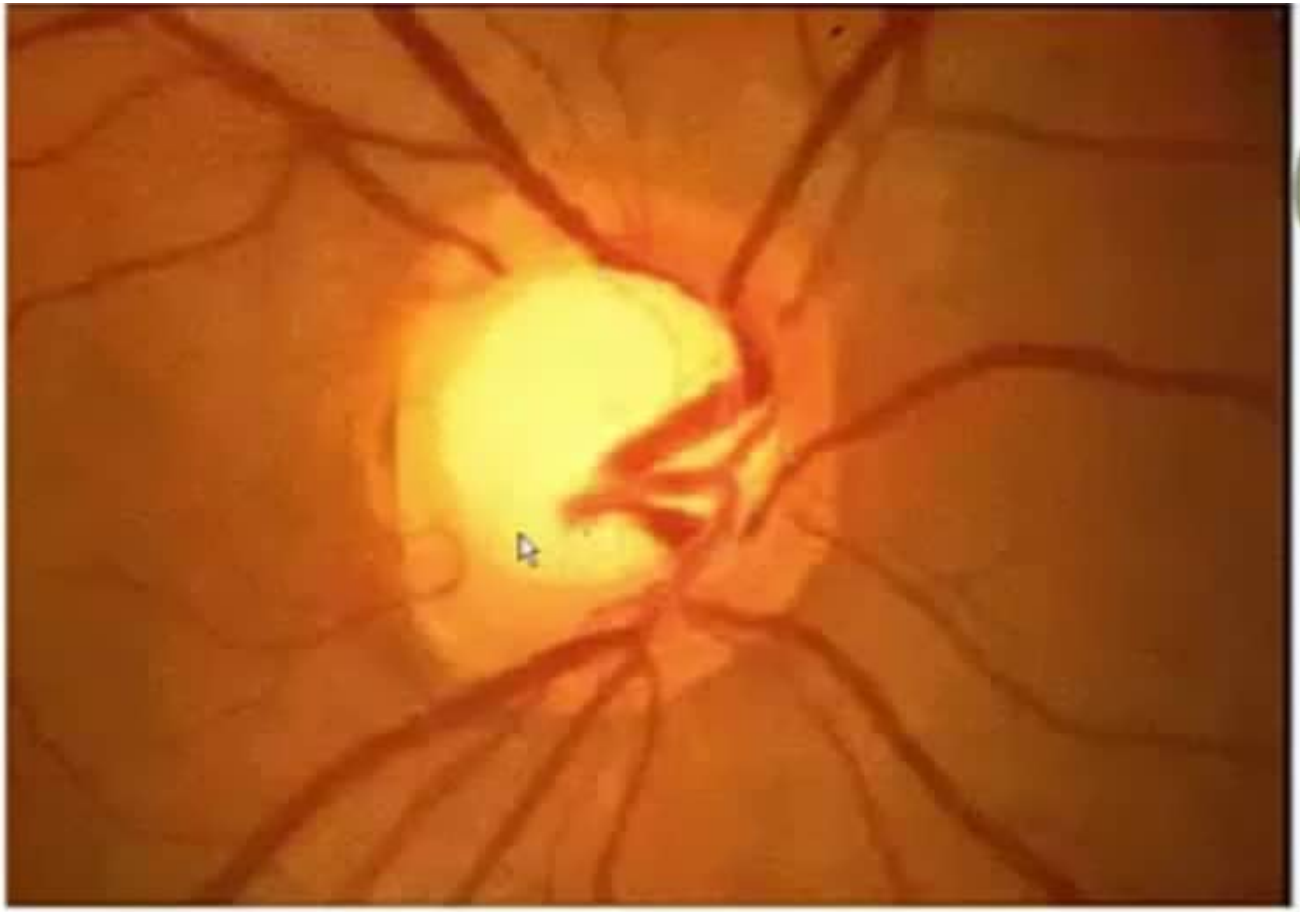
الممسوحة ضوئيا بـ CamScanner



19

- What is the diagnosis?
- Enumerate two drugs used in the treatment of this disease?
- Mention two visual fields defects associated with this condition?

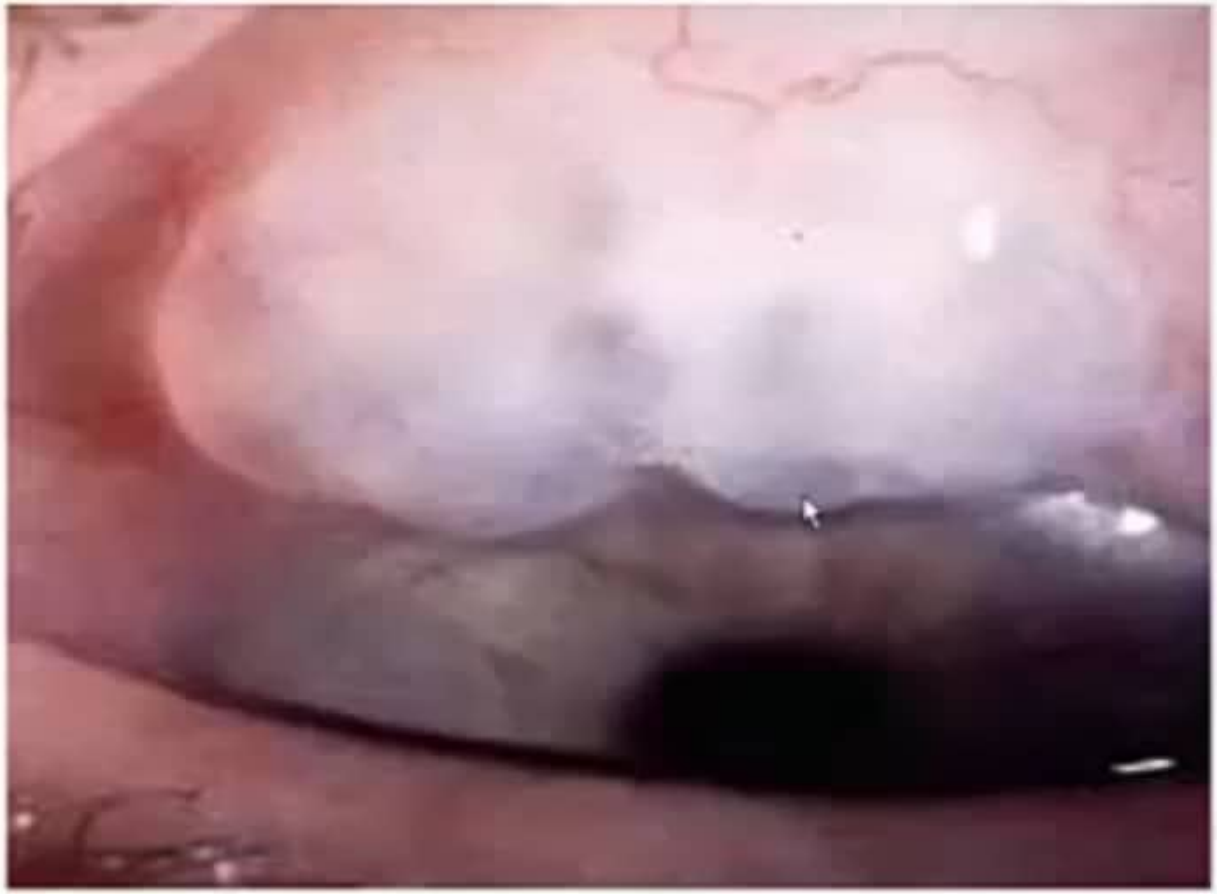
الممسوحة ضوئيا بـ CamScanner



20

❖What do you mean by C/D ratio in glaucoma ?

الممسوحة ضوئيا بـ CamScanner



21

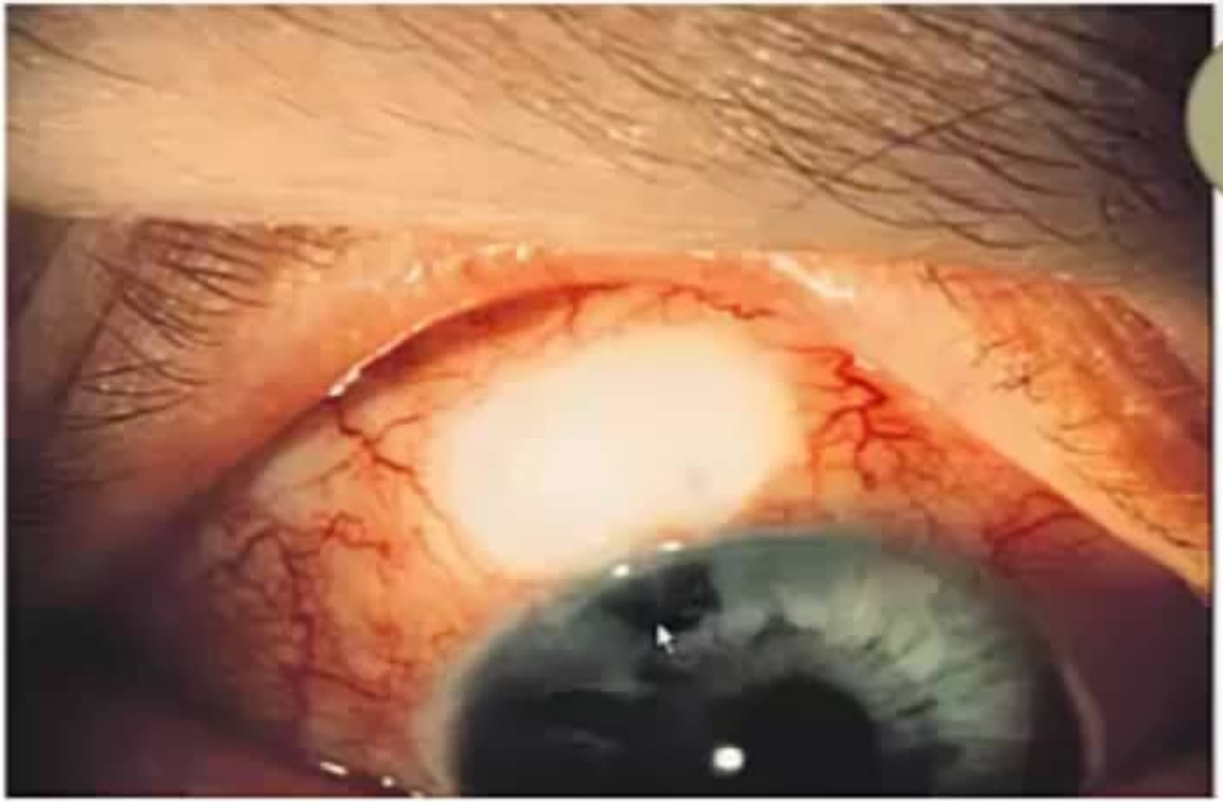
- Describe the finding in this picture
- What you call this operation?

الممسوحة ضوئيا بـ CamScanner

22

- Mention type of surgery done for this patient?
- Mention the most common indication?

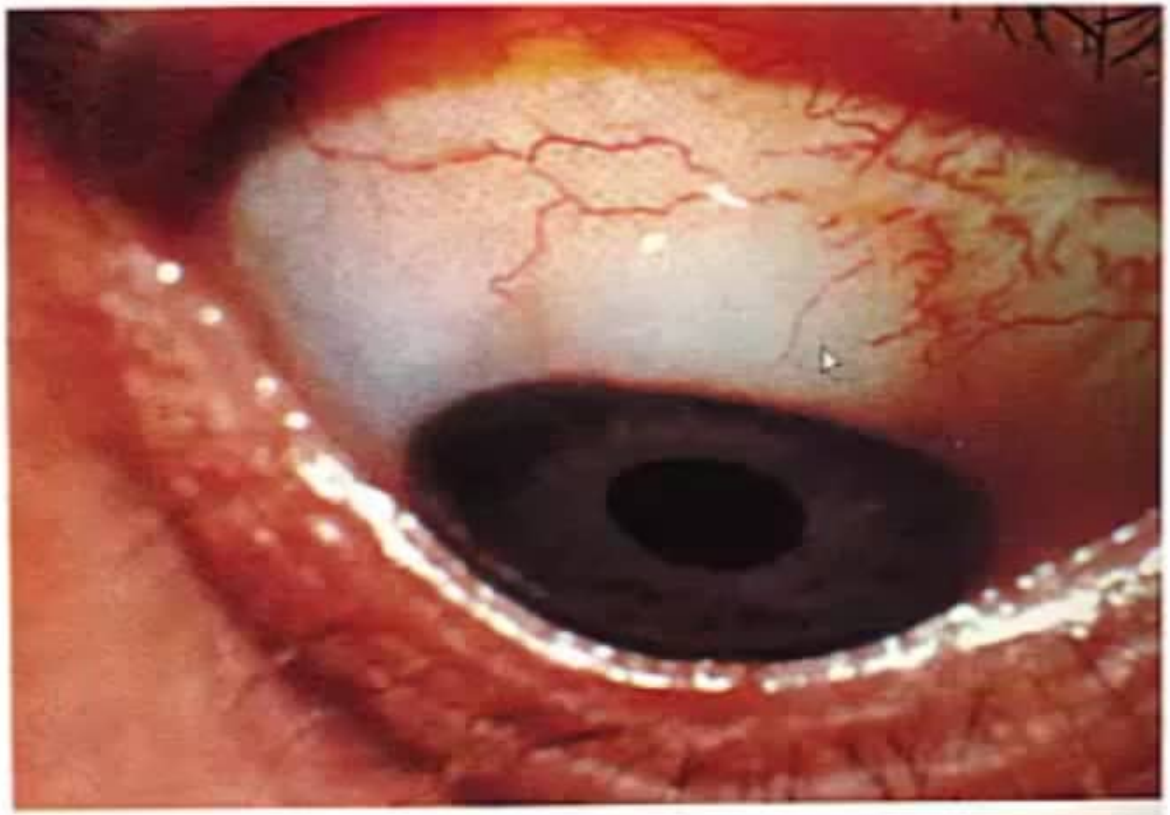
الممسوحة ضوئيا بـ CamScanner



23

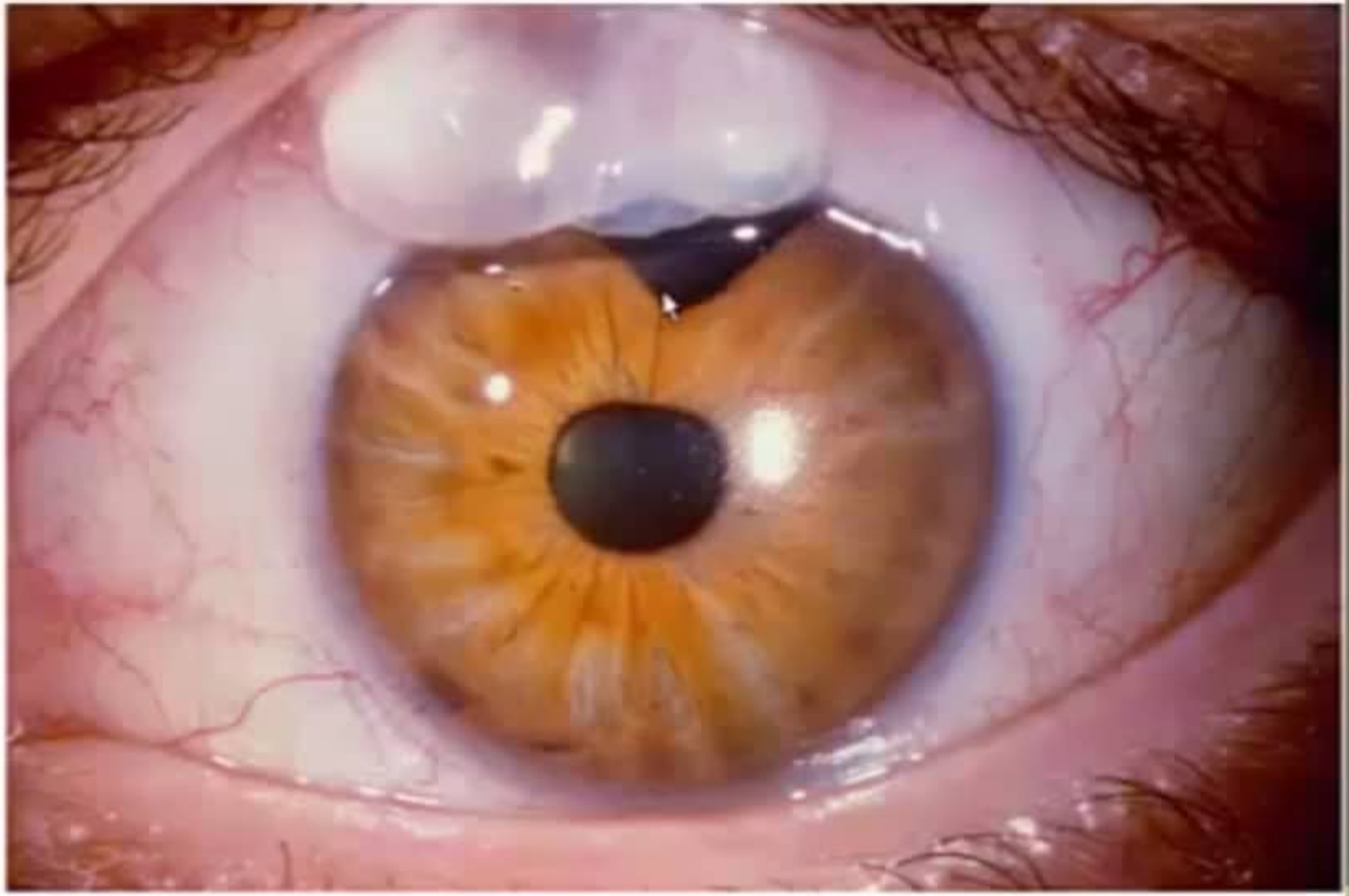
- Mention 2 findings ?
- What is the name of the related operation ?

الممسوحة ضوئيا بـ CamScanner



- What is the operation done?
- Mention 2 important complications?

الممسوحة ضوئيا بـ CamScanner



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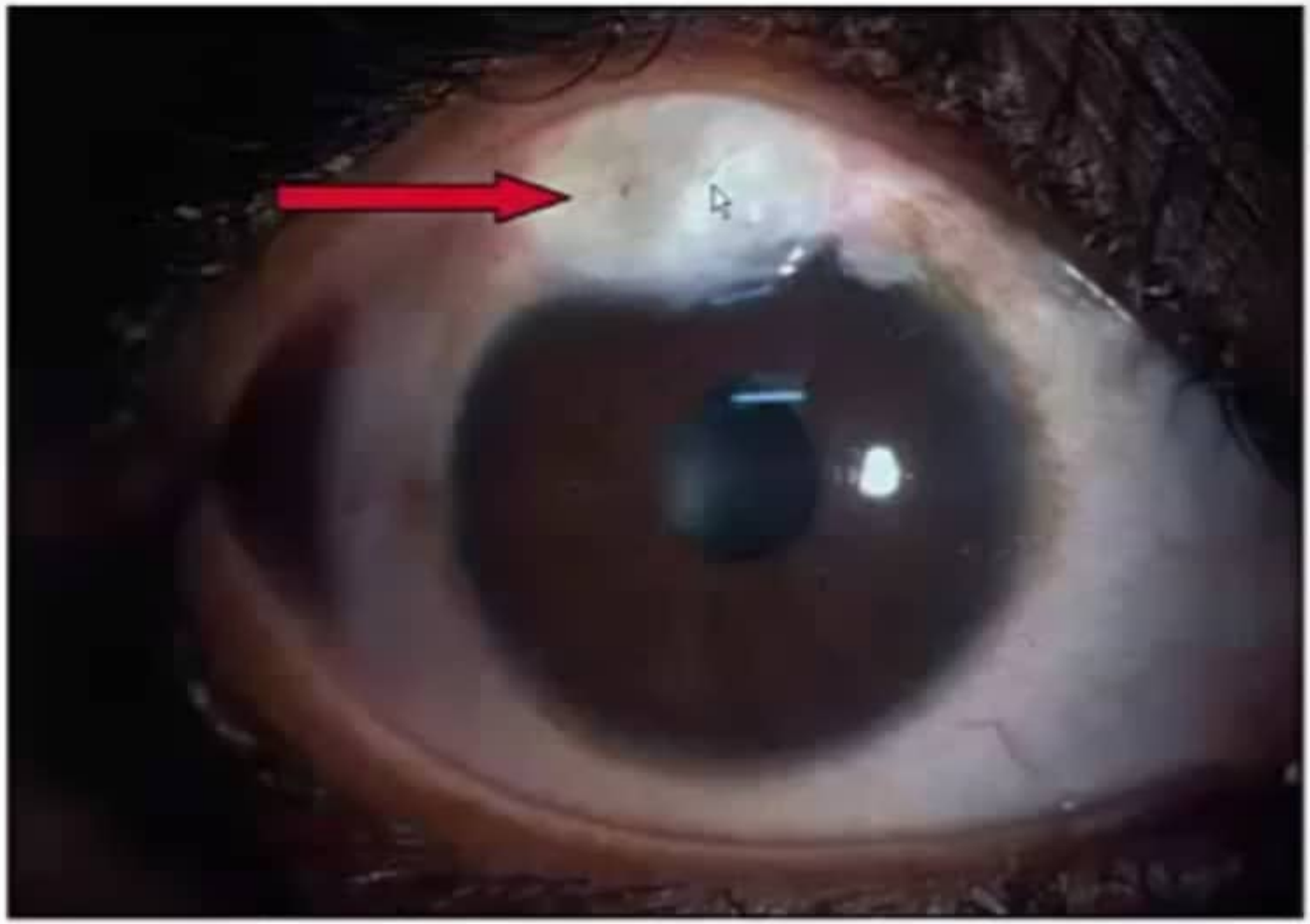

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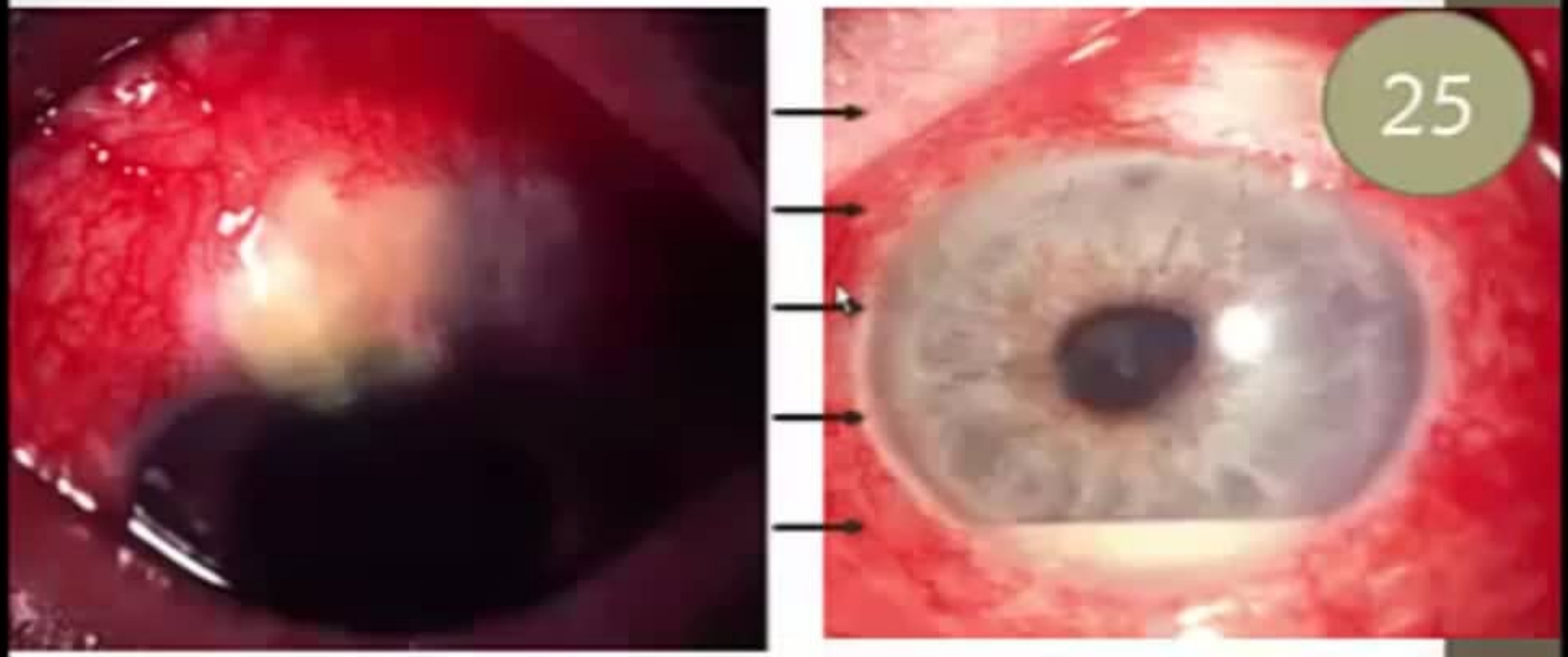

- What kind of surgery has been done ?
- What happen later on ?

الممسوحة ضوئيا بـ CamScanner

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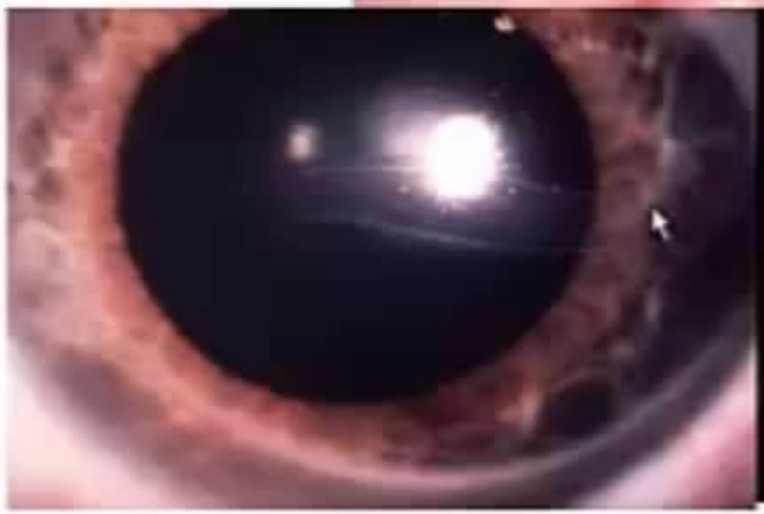
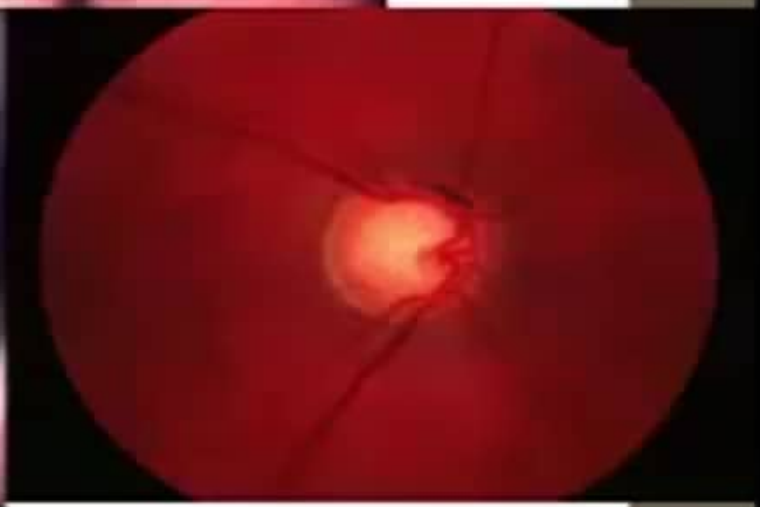




- What is the diagnosis ?
- What is the treatment ?

الممسوحة ضوئيا بـ CamScanner

- What is anterior segment features of this disease ?
- What is the ttt?

الممسوحة ضوئيا بـ CamScanner

A child like this should be examined under anaesthesia.

❖**What you will look for ?**

الممسوحة ضوئيا بـ CamScanner

29

- What is the most probable diagnosis?
- What is your first line of management?

الممسوحة ضوئيا بـ CamScanner

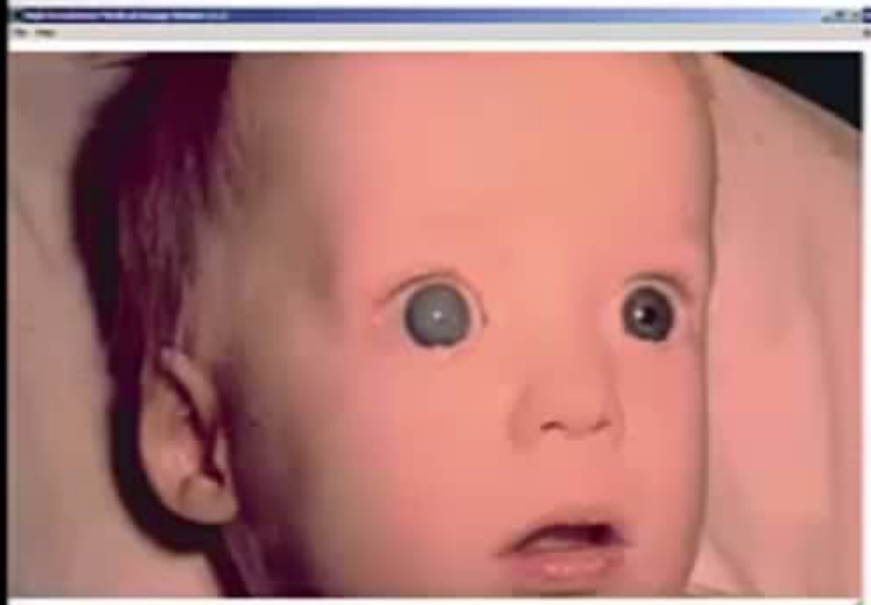
- What is the diagnosis?
- What is the treatment of this case ?

الممسوحة ضوئيا بـ CamScanner

31

- What is the most probable diagnosis?
- What is the management of choice?

الممسوحة ضوئيا بـ CamScanner

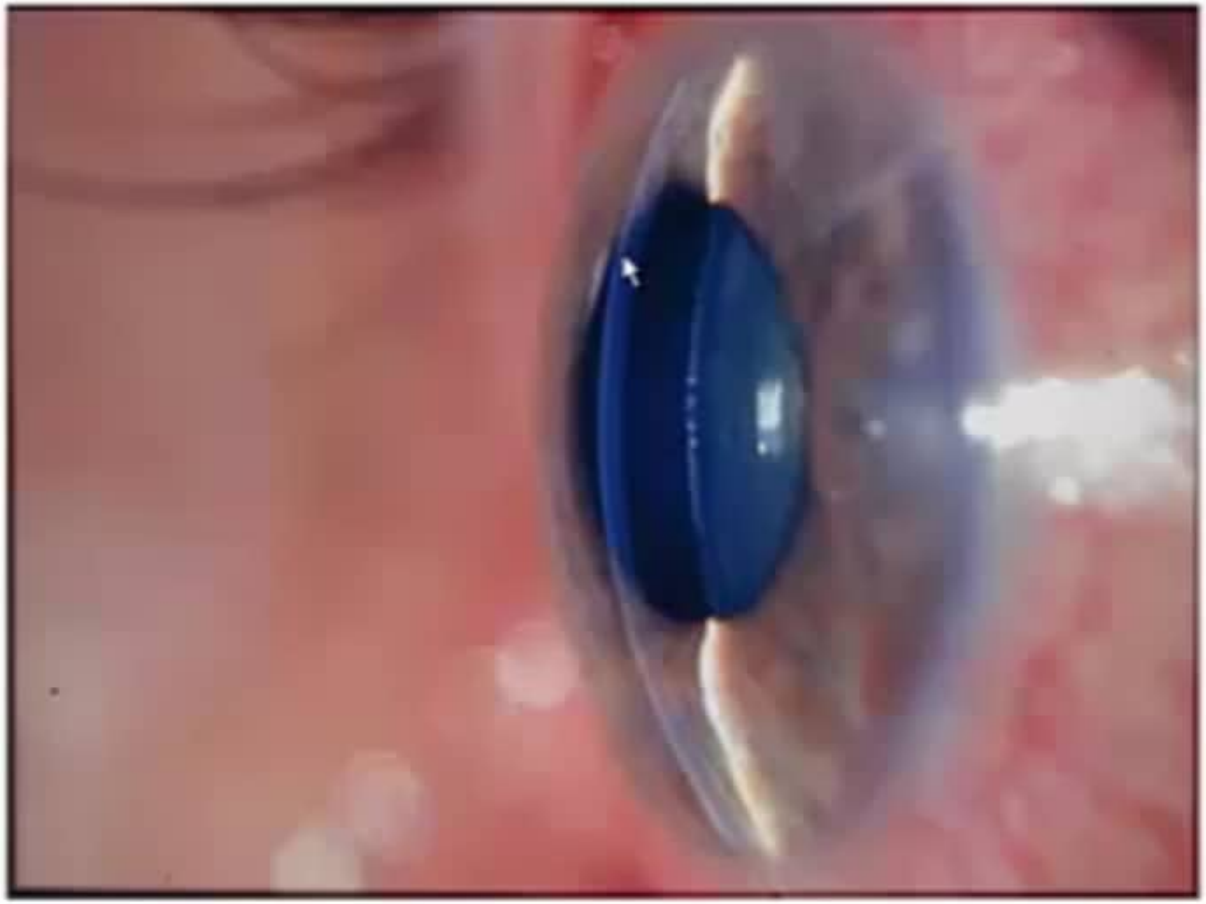


- What is your diagnosis ?
- What is the procedure used in the right picture?

الممسوحة ضوئيا بـ CamScanner

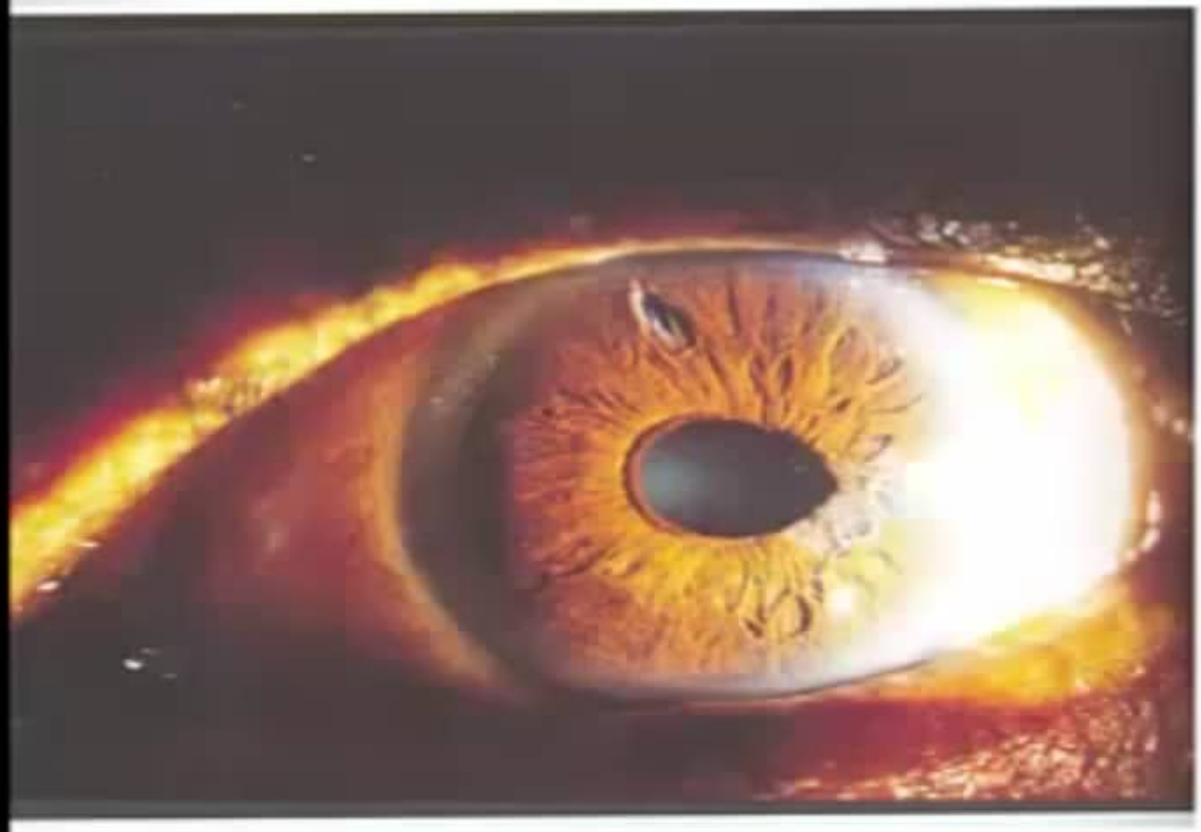
- What are the +ve findings in RE?
- What could be the diagnosis?

الممسوحة ضوئيا بـ CamScanner



❖What is the diagnosis?

الممسوحة ضوئيا بـ CamScanner



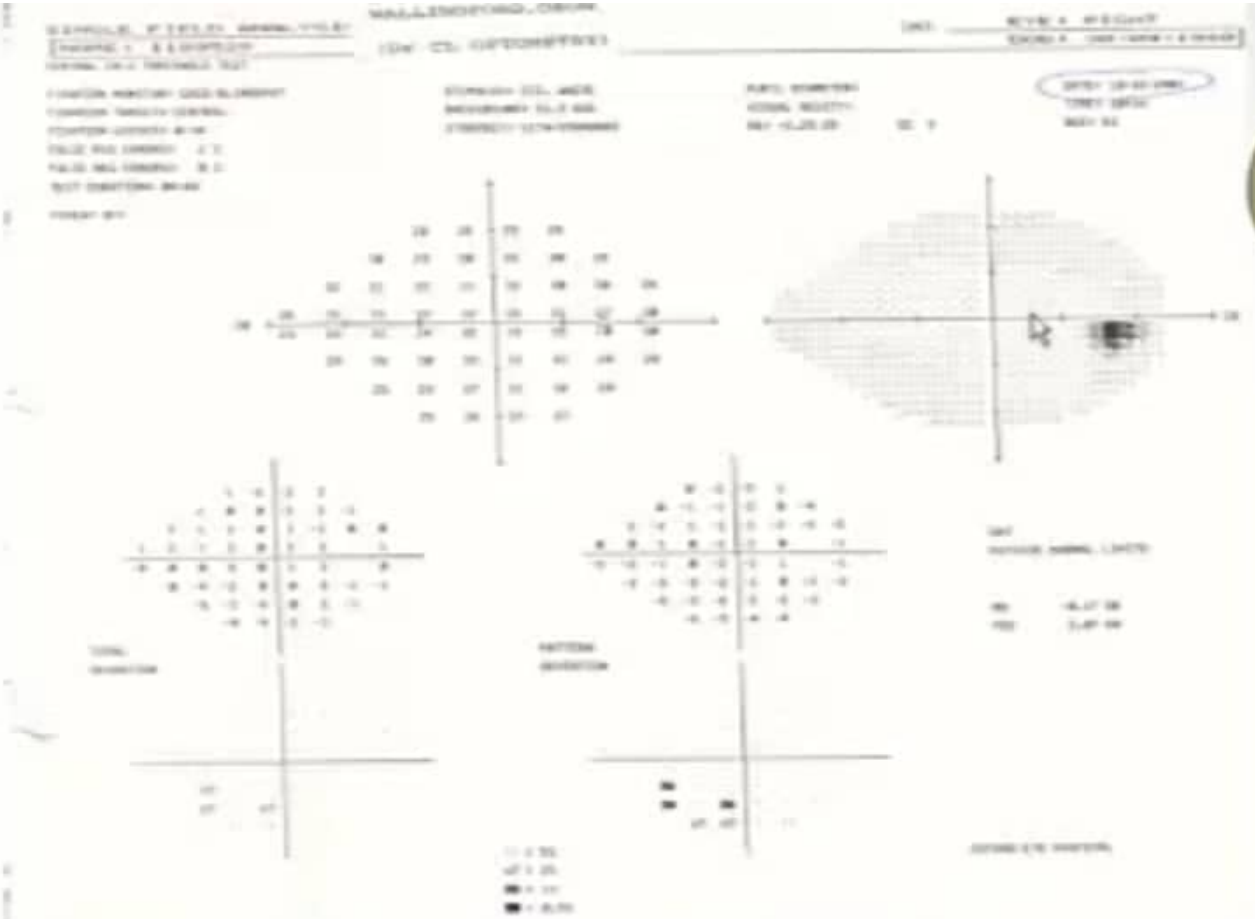
35

- Mention two signs in this picture?
- What is the usual management during acute stage?

الممسوحة ضوئيا بـ CamScanner

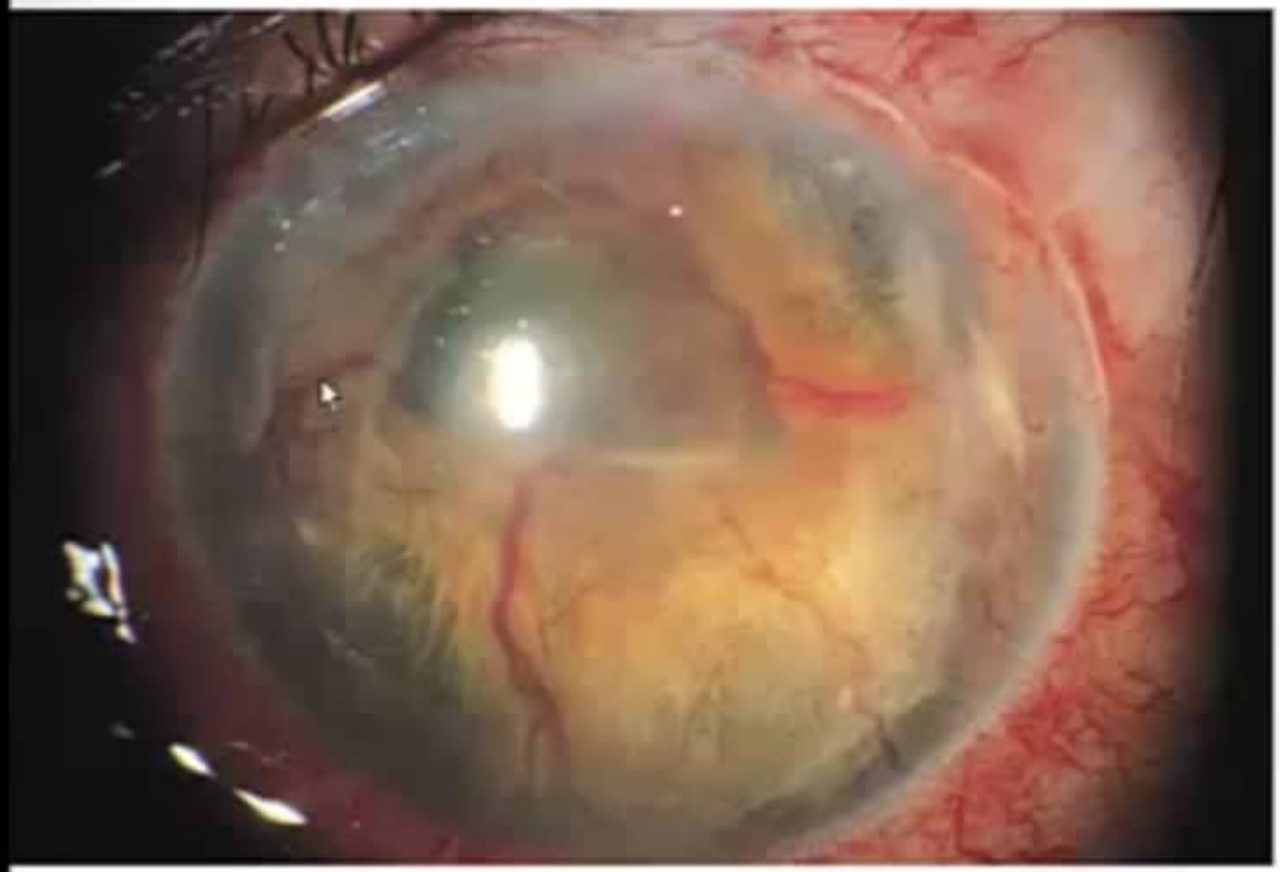
- This is……
- It is treatment of close angle glaucoma using……

الممسوحة ضوئيا بـ CamScanner



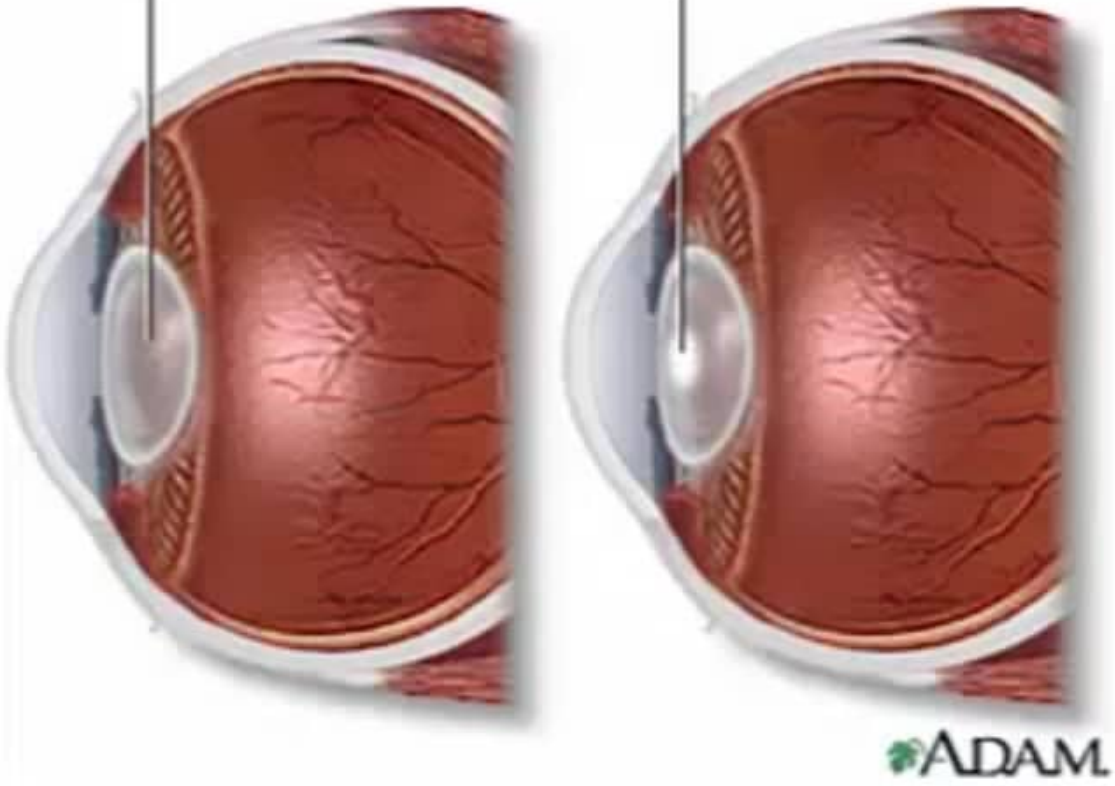
- What is the name of this test?
- Mention 2 indications of this test?

الممسوحة ضوئيا بـ CamScanner



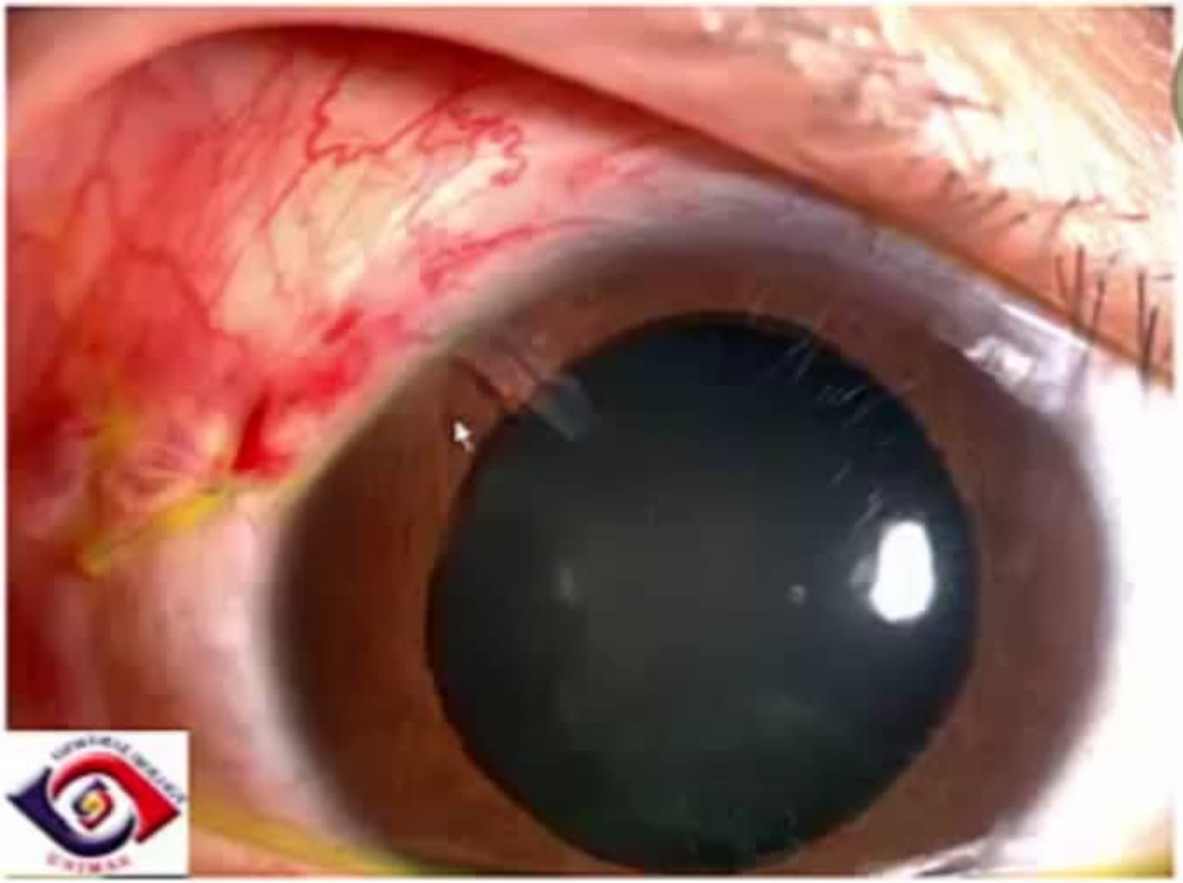
❖What are the causes of neovascular glaucoma?

الممسوحة ضوئيا بـ CamScanner



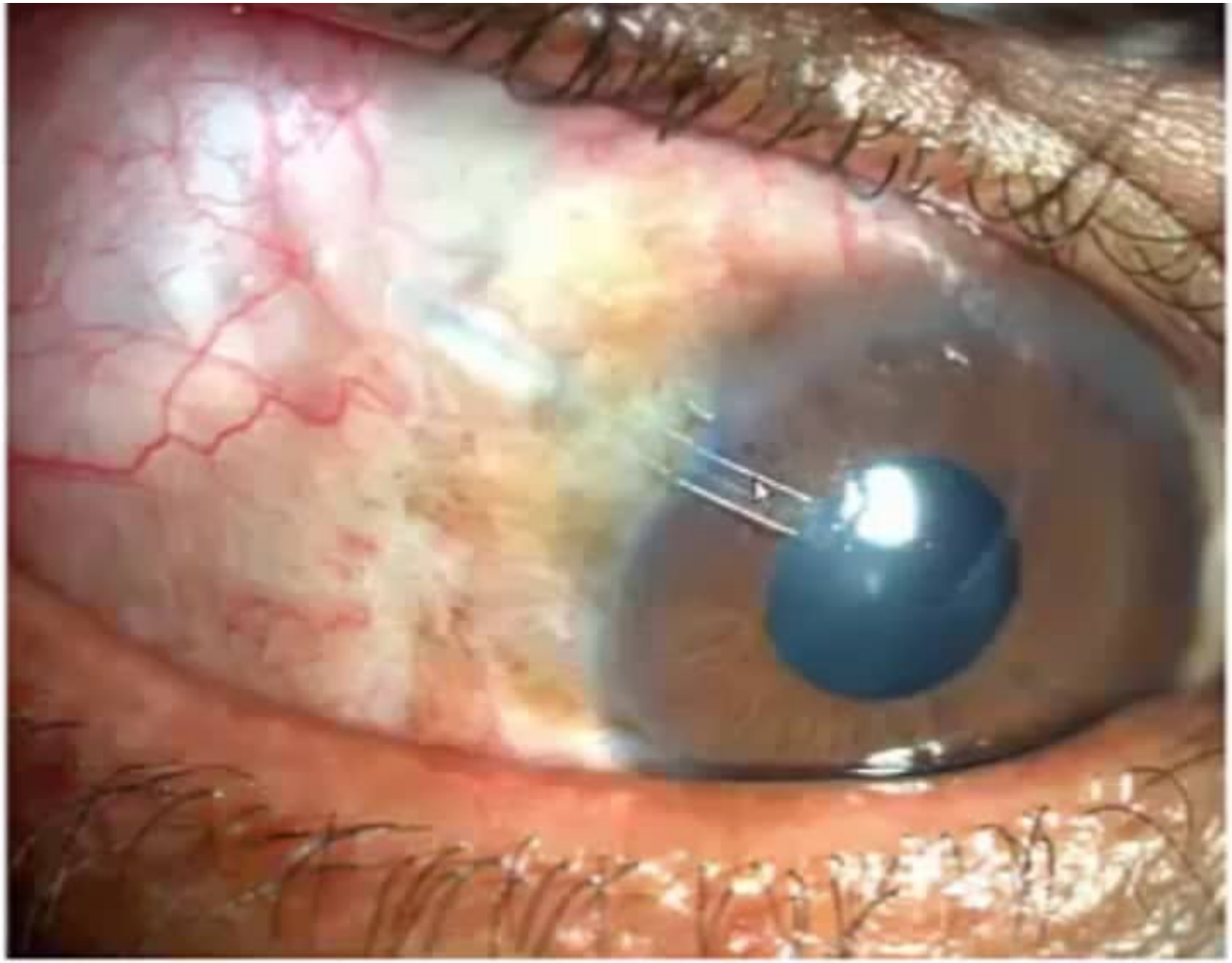
❖How to manage lens induced glaucoma ?

الممسوحة ضوئيا بـ CamScanner



- What is the name of the procedure?
- Used for ……

الممسوحة ضوئيا بـ CamScanner



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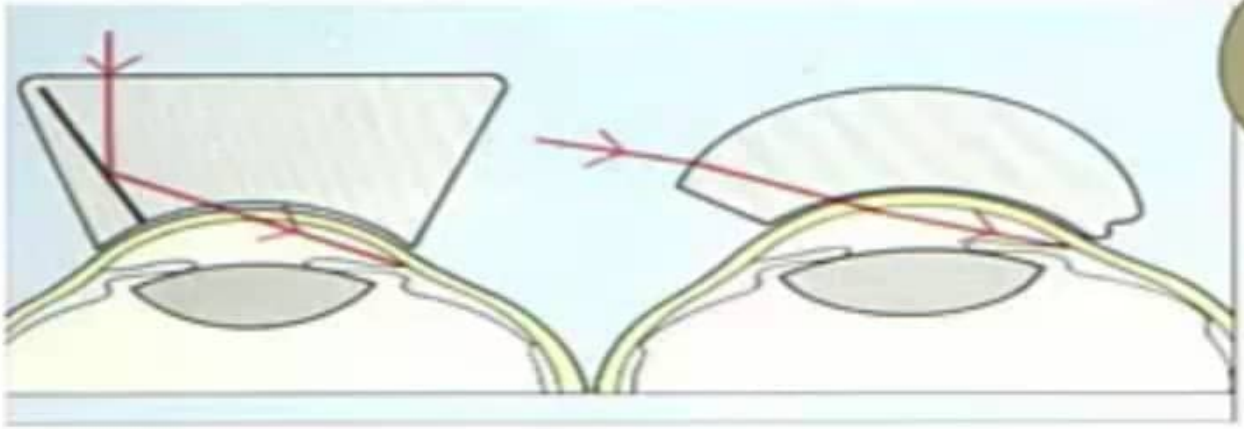
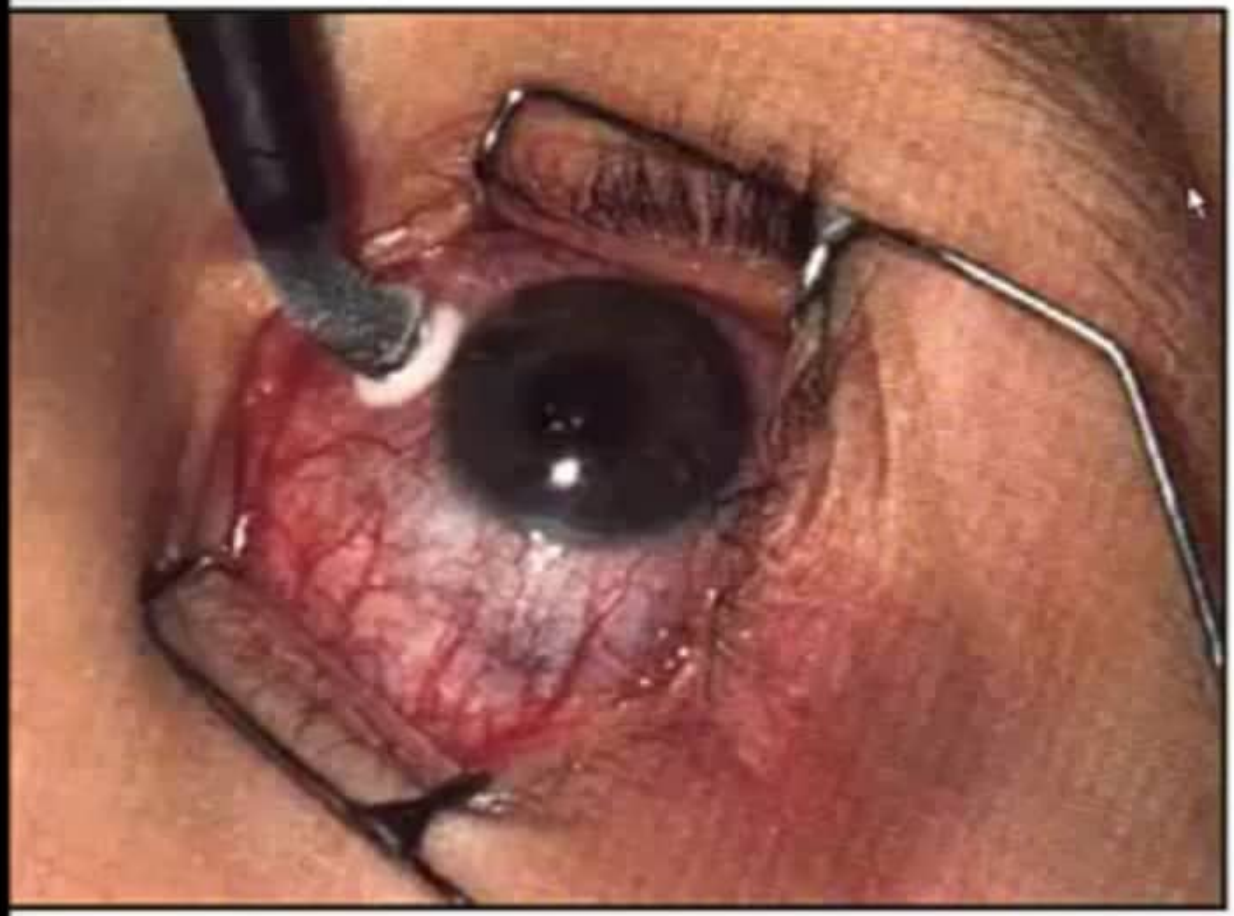


❖What is the name of the instrument and mention it's use?

الممسوحة ضوئيا بـ CamScanner

الممسوحة ضوئيا بـ CamScanner



- what is this procedure?
- mention an important indication?

الممسوحة ضوئيا بـ CamScanner

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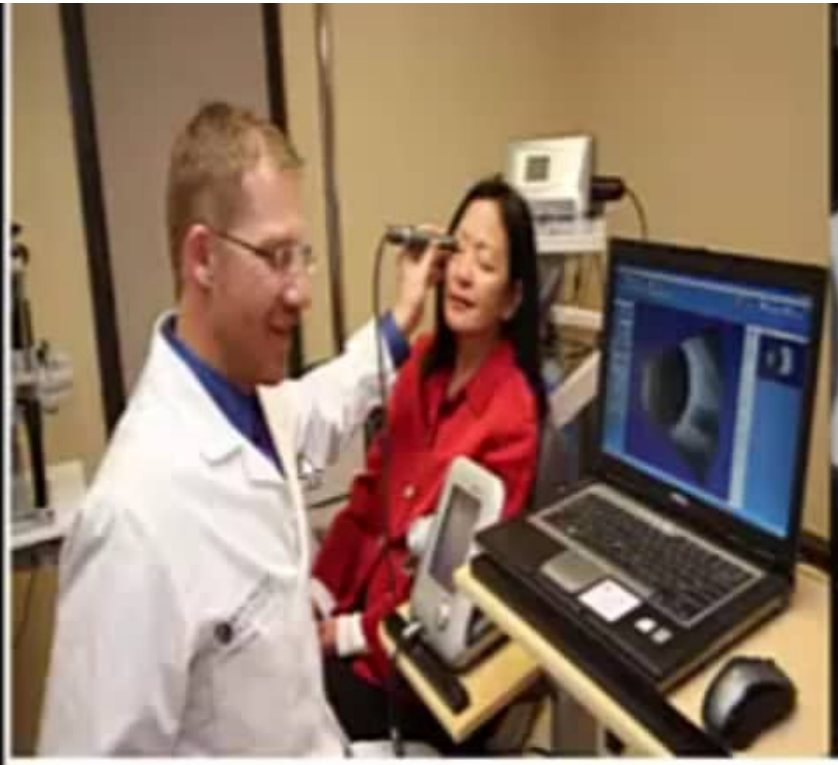
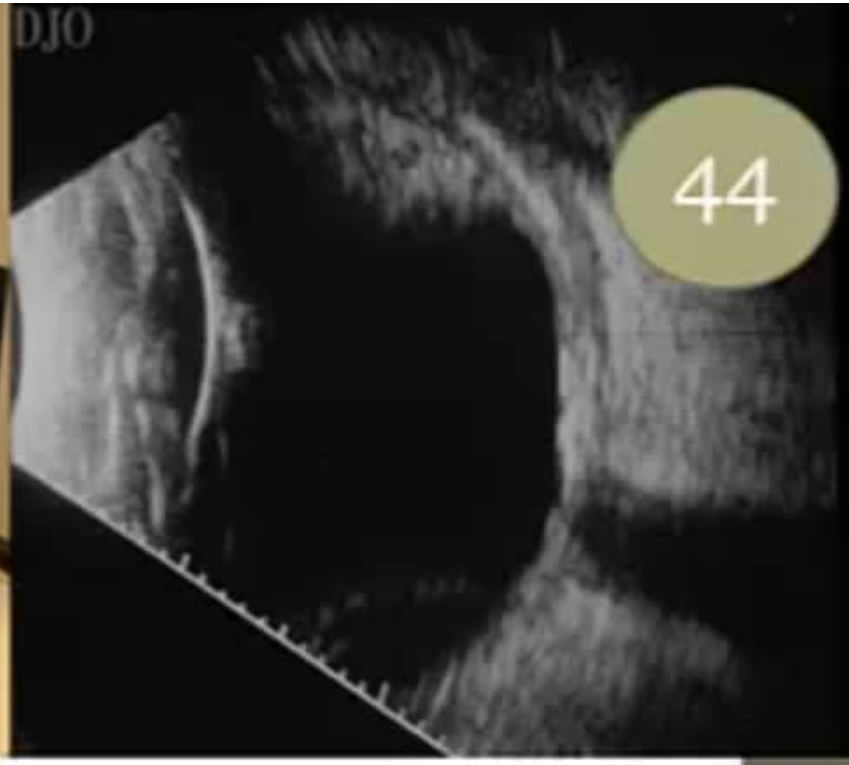
❖What is the name of the instrument and mention it's use?

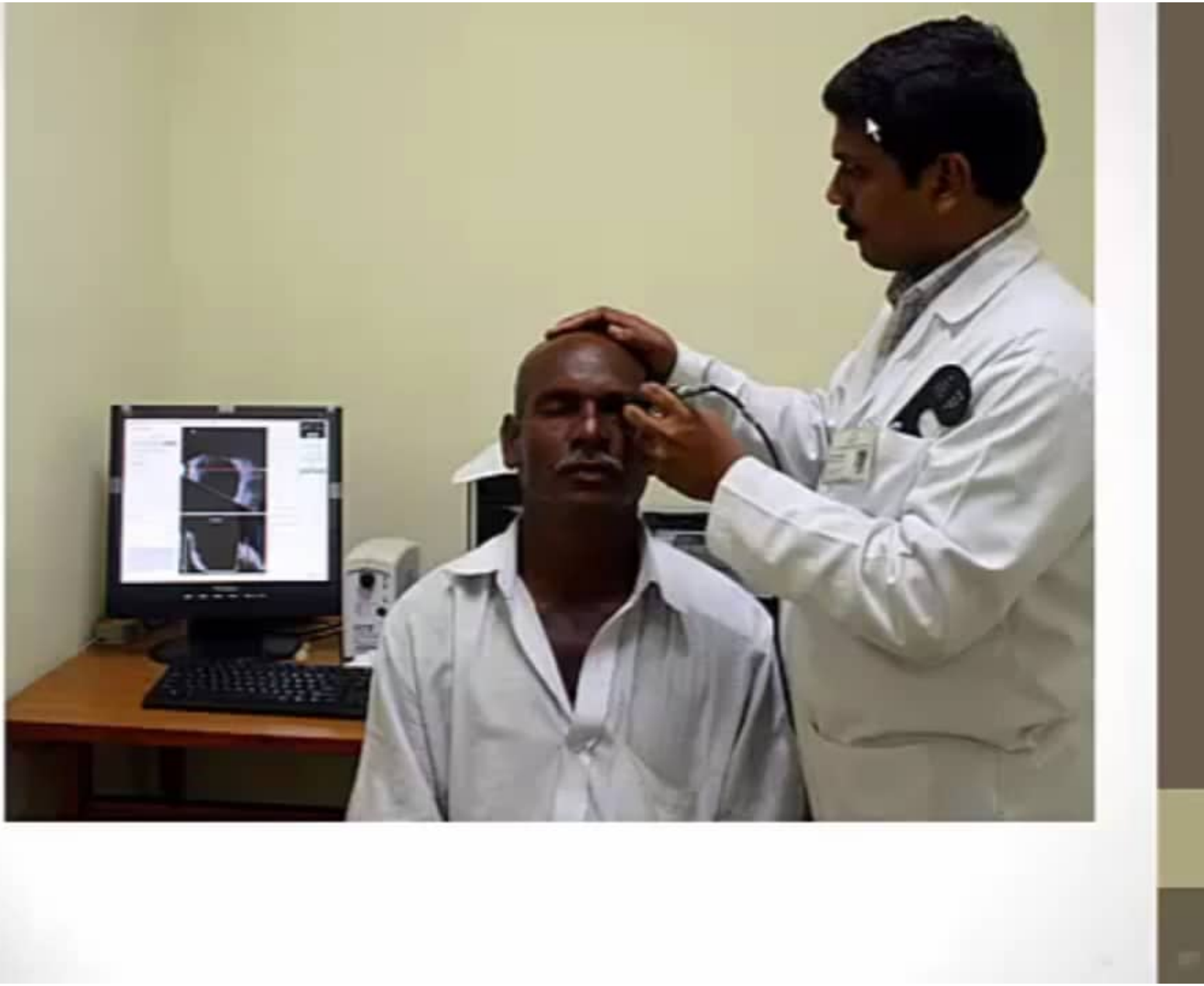
الممسوحة ضوئيا بـ CamScanner





❖What is the name of the instrument and mention it's use?

الممسوحة ضوئيا بـ CamScanner



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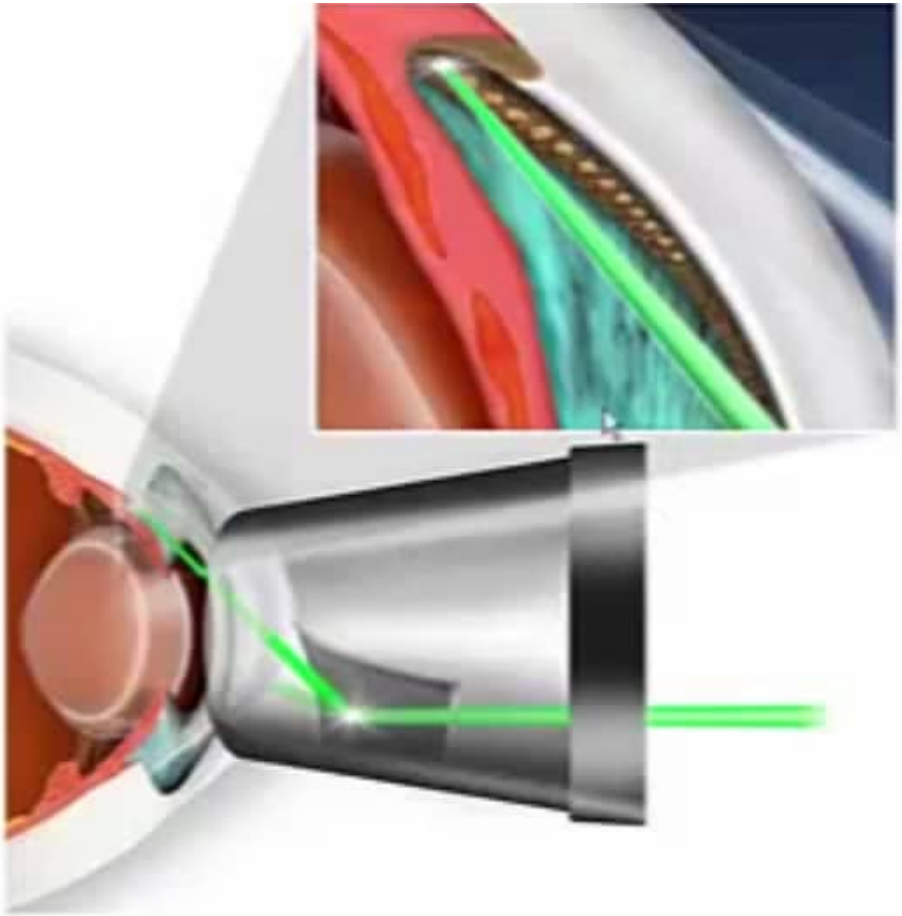
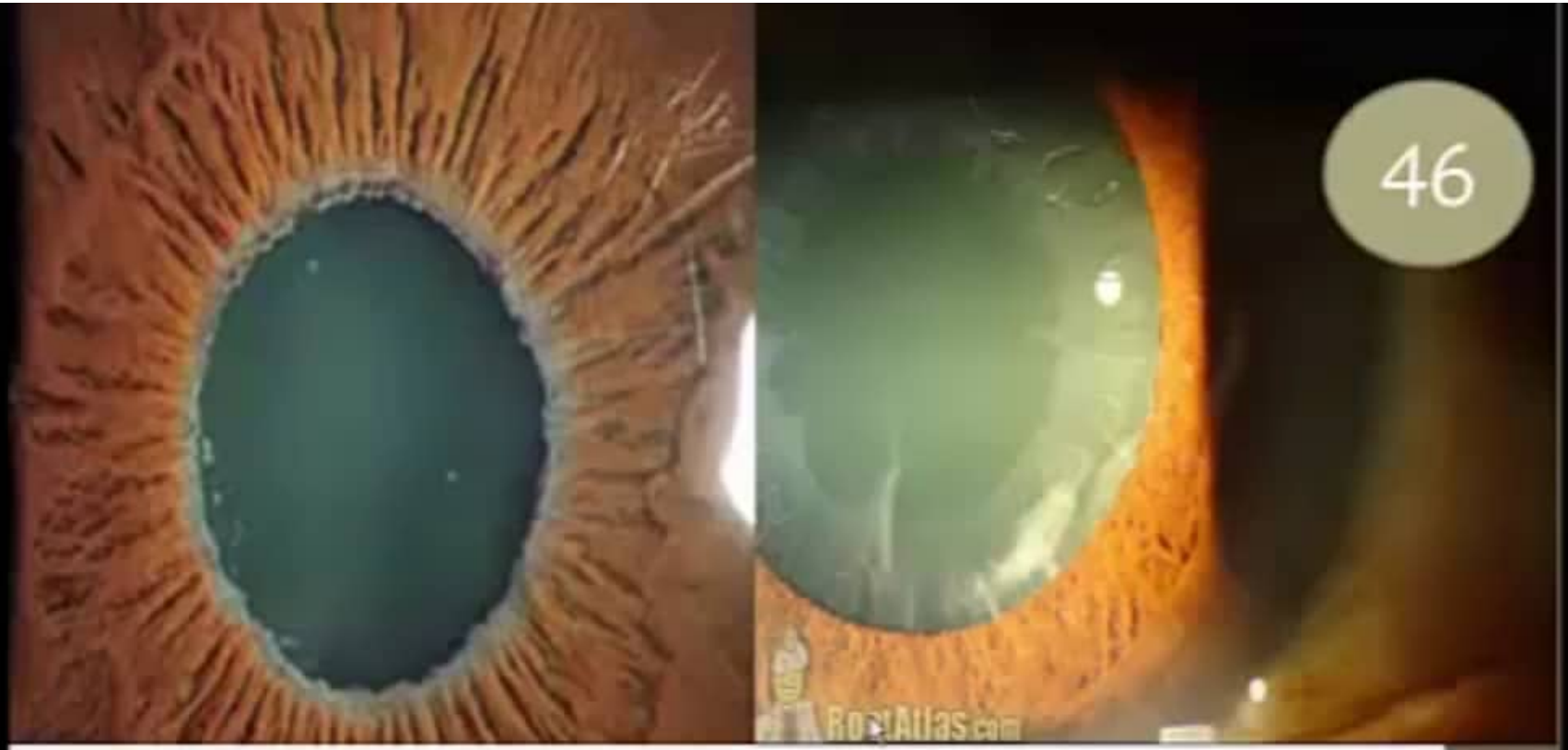


- what is this procedure?
- mention an important indication?

الممسوحة ضوئيا بـ CamScanner



❖What is the diagnosis?

الممسوحة ضوئيا بـ CamScanner

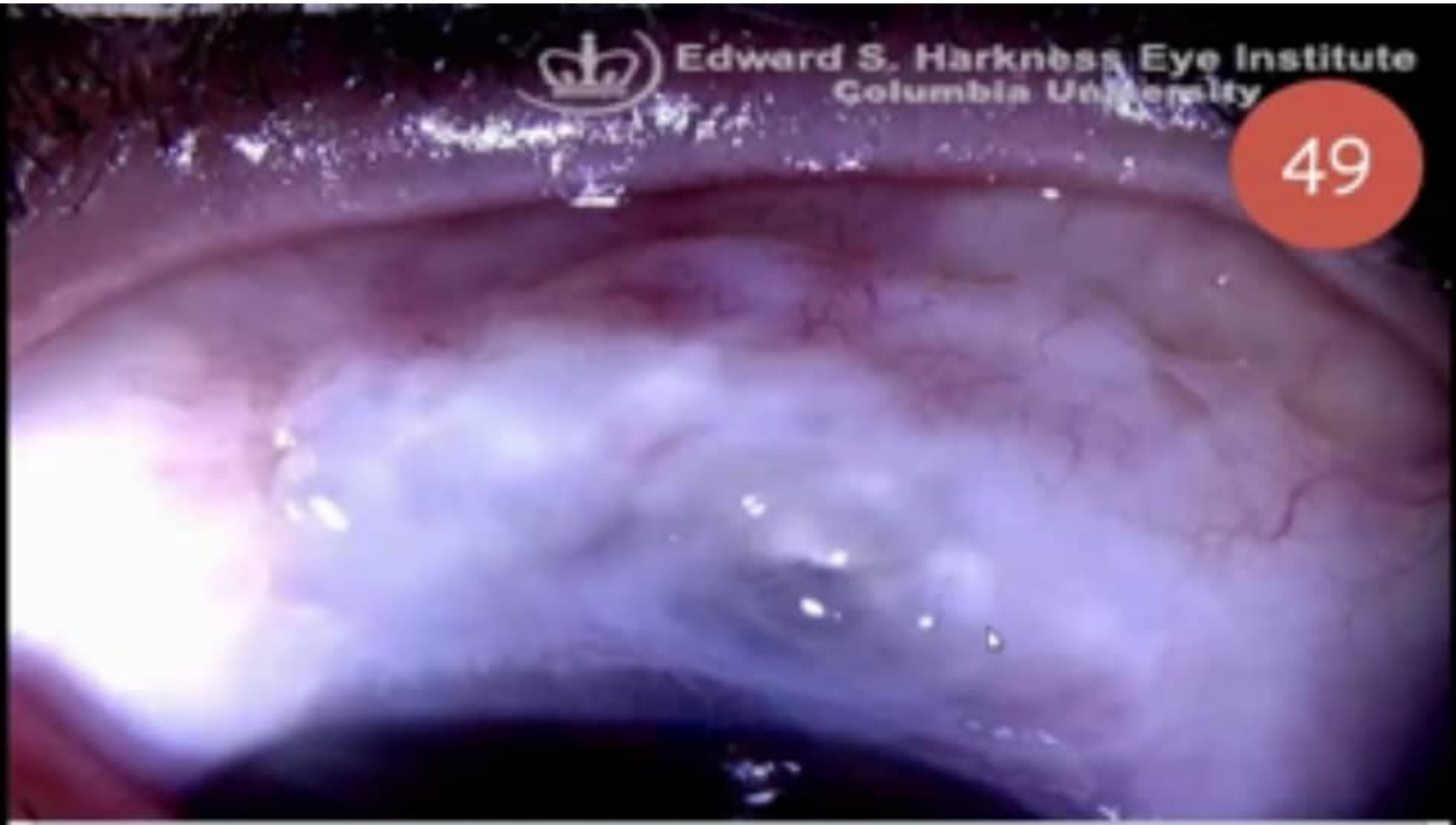
1. Mention two abnormal findings?
2. What is the underlying disease here?

الممسوحة ضوئيا بـ CamScanner

1. Mention two abnormal findings?
2. What is the underlying disease here?

الممسوحة ضوئيا بـ CamScanner

الممسوحة ضوئيا بـ CamScanner



1. What surgery was done in this eye?
2. What is the most common disease done for?

الممسوحة ضوئيا بـ CamScanner

Goldmann three mirror lens (Goniolens)

الممسوحة ضوئيا بـ CamScanner

Measuring the corneal diameter in primary congenital glaucoma (buphthalmos

الممسوحة ضوئيا بـ CamScanner

- what is this instrument?
- mention it's use?

الممسوحة ضوئيا بـ CamScanner

① • Angle of anterior chamber.
- Goniolens

② Schwalbe's line, trabecular meshwork, scleral spure, Ciliary band, iris root.

③ • decrease production of aquous humors.
• not have effect on pupil.

* Short not for Timolol :- is non selective B. blocker action • ↓ Production of aquos humors (2 once/day)
• Side effect:- ① ↓ Production of tear → dry eye → Superfacial Keratitis.

* Sys. side effect :- ① Bradycardia ② Hypotension ③ Bronchospasm ④ tremor, Sweating.

④ • is Systemic Carbonic anhydrase inhibtors.
• Renal Stone, B.M depression, Paraesthesia.

* Short note of Dimox :-
هو الوحيد في Primary open angle glaucoma الذي يعطى
• eye drop تعطى أدوية أغلب ، حيث tablet
500 تركيز الطبة يوجد 250mg و يوجد أيضاً 125 mg ، وعلبة 10 بتركيز
action :- ↓ Production of aquous humor.
Side eff. يعمل long حيث يستخدم لفترة قصيرة ، حيث لو استخدمناه
Contra :- ① Sick cell anemia ② allergy from Sulfamide.

T.H
الممسوحة ضوئيا بـ CamScanner

⑤ • Parasympathomentic drug.
• ① temporary myopia ② Headache ③ Retinal deattachment.
④ Worsing of light vision ⑤ narrow prephreal field.
⑥ Follicular Conjunctivitis.
*Short note of pilocarpine: eyedrope (3-4 / day)
action:- ↑ drainge of aquous humors.
Contraindication:- ① pupillary block glaucoma
② Uvitis ③ Axial opacity.

* Short notes of Xalatan:- is prostoglandine analgog.
• Concentration:- 0,005%
• action:- ↑ drainge of aquous humor (in uveo-scleral
• Side effect:- Hyperpigmentation on skin, eyelashes, iris.

⑥ • By improve drainge of aquous humors
• By induce themiosis

⑦ • asymptomatic
*N.B:- it's glaumatous cup.

⑧ • Pilocarpine
*N.B:- in POAG → Timolol and Xalatan

الواجب: .....

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(9). Intraocular Pressure (IOP) measurment.

Applanation	indentation method
- More accurate	- less accurate
- Need local anasthesia and Flourcine	- // No need Flourcine
- expensive	- Shape
- in sitting position	- in supine position
- associated with slit lamp.	- No

(10). It's indentation ~~method~~ tonometery.
- Applanatation meethed.
② Digital or palpation method.

(11). ① Applantation tonometery
② indentation tonometery.

(12). IOP
- ↓ IOP + optic n. change + visial filed defect.

② Applanation tonometery and used for measuring IOP.

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(14) • it's optic neropathy charactrized by triade:- gluaimotous Cupping + visial field defect + high IOP

• Acorrding the onset [congental / aquired
Acorrding the Cause < primary / secondary
1ry / 2ry
Acorrding the angle < open / closed

• 15-20 (10-21) mmHg.

(15) less than 4 mmHg.

(16) • glaucoma (primary open angle glaucoma)
• measure IOP by tonometery and visual filed defect by ~~Perimetry~~ Perimetery and glaumotous Cupping by ophthamoscope.

(17) - glaucomatous Cupping
• measure Iop by tonometery
assiste visal field defect by perimetery.

(18) - glaumatous Cupping.
• it's a precentage of Cupping to optic disc (normal less than 0,3)

الواجب: .....

الممسوحة ضوئيا بـ CamScanner

التاريخ: / / ٢٠م

الموافق: / / ١٤هـ

موضوع الدرس: .....

اليوم: .....

(19) • glaucoma (POAG)
• Timolol and Xalant.
• ① Paracentral Scotoma
② Arcuate Scotoma
③ Ring Scotoma
④ Seidl's Scotoma

(20) it's precentage of cupping to optic disc (normal less than 0,3)

(21) • cystic bleb
• Trabeculoectomy

(22) • Trabeculoectomy
• Primary open angle gluacoma (POAG)

(23) • bleb + Priphral iridectomy
• Trabeculoectomy.

(24) • Trabeculoectomy.
• ① Subconjuctival hemorrghe
② Hyphema
③ Faliure

الواجب: .....

الممسوحة ضوئيا بـ CamScanner

(25) • Trabeculoectomy
• endophthalmitis

(26) • Congental glaucoma
• choice of surgery (Gonitomy)

(27) • ① Large Cornea ② Corneal oedema ③ iriodenasis
④ deep anterior chamber.
• surgical (Goniotomy)

(28) Measure Iop
" Corneal diameter.
attachment of glaucomatous cup by ophthalmoscope
" of angle by Ginolenes.

(29) • Congental glucoma (ophthalmos)
• The only treatment of Congental glucoma is surgical (Ginotomy)

(30) • Congental glaucomer (ophthalmos)
• surgery (Ginotomy)

(31) The same answer of 30

الممسوحة ضوئيا بـ CamScanner

(32). Congental glaucoma (ophthalmos)
- measurment of Corneal diameter by cliber.

(33). ① Red eye (Ciliary ejection).
② Corneal edema.
③ oval verticle pupile (non reactive mid-dialeteed)
- Acute Congestive glaucoma.

(34). Acute Congestive glaucoma due to:-
① Red eye ② Anterior chamber shallow
③ Pupile is non reactive and mid-dialteed.

(35). ① red eye ② Corneal arcus
③ priphreal iridotomy.--
- ① Admission to hospital
② give medical ~~tt~~ for ↓ IOP through 24 h.
③ If IOP is decreas after 24, by Gionolense

if
open angle → priphreal iridotomy
closed angle → Trabeculoectomy.

(36). Pripheral iridotomy.
- by Laser.

الواجب: .....

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37. • Perimetery test (to assiste visal filed)
• ① glaucoma espicially POAG
② Central retinal artery occulasion.

38. - ① ischemic Central retinal artery occulosions
② proliferative diabetic retinopathy
③ Intraocular tumors
④ Retinopathy of Prematurity.

39. by remove the lens.

40. • Ahmed's Valve
• useed for glaucoma

41. • Gionolense
• ① angle ② Gionotomy ③ Laser in POAG
④ funolus

42. • Cyclocryotherapy (④ Ciliary body تبريد)
• absoulte glaucoma

43. • Perimetery
• assiste visual filed defect

الممسوحة ضوئيا بـ CamScanner

موضوع الدرس: .....

التاريخ: / / ٢٠م

اليوم: ..... الموافق: / / ١٤هـ

44. US
- measure length of eye
assiste Posterior Segment

45. Argo laser trabeculoplasty
- POAG

46 ~~Pseudoex~~ Pseudoexfoliation Syndrom

47. Red eye, miosis, Pripheral iridotomy.
- ~~POAG~~ or Acute Congestive glaucoma

48. - Bilateral large Corneal, Corneal Oedema
- Congental glaucoma

49. Trabeculoectomy
- glaucoma

50. - air puff tonometer.
- Measure IOP.

الواجب: .....

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